

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012245.D
 Acq On : 10 Sep 2019 09:06
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:18 AM

Quant Time: Sep 10 11:55:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	156982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	253370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	10644	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
35) Dibromofluoromethane	5.49	113	8270	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
50) Toluene-d8	8.71	98	30511	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
62) 4-Bromofluorobenzene	11.14	95	13723	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	7586	6.045	ug/l	97
3) Chloromethane	1.31	50	6104	5.047	ug/l	93
4) Vinyl Chloride	1.40	62	5943	5.131	ug/l	99
5) Bromomethane	1.63	94	3728	8.877	ug/l	95
6) Chloroethane	1.72	64	4824	6.634	ug/l	92
7) Trichlorofluoromethane	1.92	101	11681	5.928	ug/l	94
8) Diethyl Ether	2.17	74	3659	4.179	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6141	4.184	ug/l	97
10) Methyl Iodide	2.50	142	5476	3.799	ug/l	97
11) Tert butyl alcohol	3.01	59	5944m	27.346	ug/l	
12) 1,1-Dichloroethene	2.36	96	5453	4.411	ug/l	93
13) Acrolein	2.28	56	3123	23.700	ug/l	99
14) Allyl chloride	2.72	41	11774	4.615	ug/l	98
15) Acrylonitrile	3.13	53	10204	21.086	ug/l	96
16) Acetone	2.43	43	16944	34.293	ug/l	92
17) Carbon Disulfide	2.56	76	12641	4.969	ug/l	99
18) Methyl Acetate	2.76	43	5946	4.736	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	21698	4.267	ug/l	99
20) Methylene Chloride	2.84	84	11634	5.611	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	7271	4.859	ug/l	92
22) Diisopropyl ether	3.84	45	26209	4.406	ug/l #	86
23) Vinyl Acetate	3.80	43	73866	20.341	ug/l	99
24) 1,1-Dichloroethane	3.69	63	14414	4.540	ug/l	96
25) 2-Butanone	4.66	43	18461	27.253	ug/l	92
26) 2,2-Dichloropropane	4.57	77	13879	4.713	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	9073	4.602	ug/l	97
28) Bromochloromethane	5.00	49	6816	4.681	ug/l	95
29) Tetrahydrofuran	5.12	42	7781	18.940	ug/l	93
30) Chloroform	5.19	83	17027	4.687	ug/l	97
31) Cyclohexane	5.56	56	10880	5.095	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	14164	4.707	ug/l	95
36) 1,1-Dichloropropene	5.79	75	9635	4.499	ug/l	93
37) Ethyl Acetate	4.82	43	5474	3.870	ug/l	98
38) Carbon Tetrachloride	5.76	117	12050	4.913	ug/l	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012245.D
 Acq On : 10 Sep 2019 09:06
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:18 AM

Quant Time: Sep 10 11:55:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	11181	4.962	ug/l	97
40) Benzene	6.12	78	30577	4.706	ug/l	99
41) Methacrylonitrile	5.03	41	3207	3.673	ug/l #	84
42) 1,2-Dichloroethane	6.18	62	11969	4.558	ug/l	93
43) Isopropyl Acetate	6.43	43	12020	4.104	ug/l	99
44) Trichloroethene	7.20	130	8220	4.691	ug/l	93
45) 1,2-Dichloropropane	7.51	63	8729	4.760	ug/l	98
46) Dibromomethane	7.65	93	4213	4.039	ug/l	98
47) Bromodichloromethane	7.89	83	12190	4.366	ug/l	94
48) Methyl methacrylate	7.76	41	5334	3.790	ug/l	96
49) 1,4-Dioxane	7.74	88	1501	75.993	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	32051	21.035	ug/l	96
52) Toluene	8.78	92	19876	4.606	ug/l	95
53) t-1,3-Dichloropropene	9.03	75	11446	4.112	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	12920	4.255	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	6821	4.309	ug/l	97
56) Ethyl methacrylate	9.17	69	8269	3.736	ug/l	97
57) 1,3-Dichloropropane	9.37	76	11452	4.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	23022	21.906	ug/l	100
59) 2-Hexanone	9.49	43	19881	18.365	ug/l	95
60) Dibromochloromethane	9.57	129	7472	3.979	ug/l	100
61) 1,2-Dibromoethane	9.67	107	6308	4.274	ug/l	97
64) Tetrachloroethene	9.33	164	7170	5.071	ug/l	95
65) Chlorobenzene	10.13	112	23363	4.605	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.21	131	8000	4.118	ug/l	96
67) Ethyl Benzene	10.25	91	40978	4.604	ug/l	99
68) m/p-Xylenes	10.35	106	29509	8.990	ug/l	97
69) o-Xylene	10.70	106	14450	4.512	ug/l	98
70) Styrene	10.71	104	25196	4.375	ug/l	99
71) Bromoform	10.85	173	3717	3.669	ug/l #	94
73) Isopropylbenzene	11.01	105	40120	4.444	ug/l	99
74) N-amyl acetate	10.89	43	10284	3.559	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	7768	3.828	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	7011m	3.983	ug/l	
77) Bromobenzene	11.25	156	8827	4.090	ug/l	95
78) n-propylbenzene	11.35	91	48351	4.450	ug/l	99
79) 2-Chlorotoluene	11.42	91	30109	4.439	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	36268	4.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2233	3.504	ug/l	88
82) 4-Chlorotoluene	11.51	91	36044	4.341	ug/l	96
83) tert-Butylbenzene	11.76	119	34421	4.344	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	38412	4.544	ug/l	98
85) sec-Butylbenzene	11.94	105	42245	4.536	ug/l	100
86) p-Isopropyltoluene	12.06	119	37668	4.362	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	19436	4.541	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	19779	4.609	ug/l	94
89) n-Butylbenzene	12.38	91	37829	4.566	ug/l	98
90) Hexachloroethane	12.59	117	6825	4.310	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	17648	4.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1620	4.027	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091019\
Data File : VX012245.D
Acq On : 10 Sep 2019 09:06
Operator : SY/SP
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

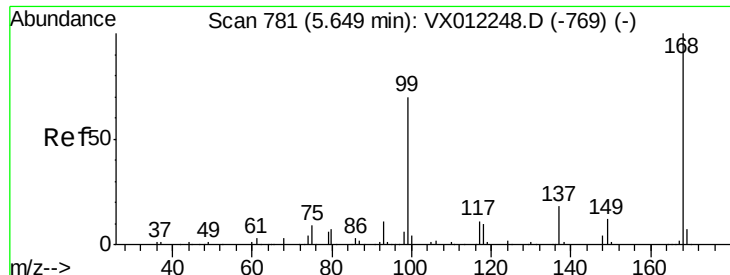
Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM

Quant Time: Sep 10 11:55:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	11291	4.264	ug/l	96
94) Hexachlorobutadiene	13.77	225	5866	4.579	ug/l	99
95) Naphthalene	13.83	128	21722	3.736	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	10093	4.358	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: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 156982

Ion Ratio Lower Upper

168 100

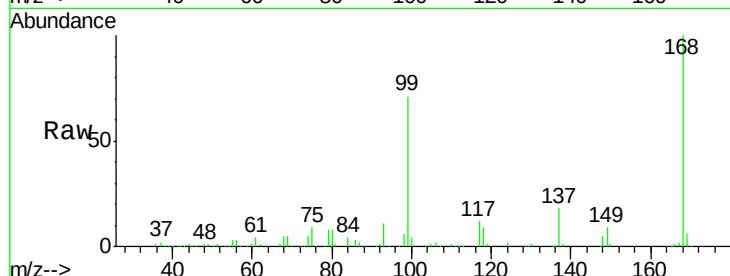
99 71.1 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

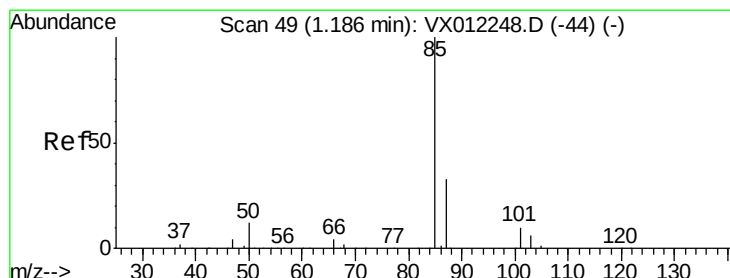
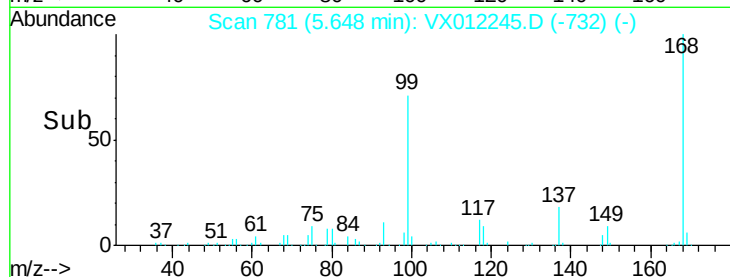
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 6.045 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012245.D

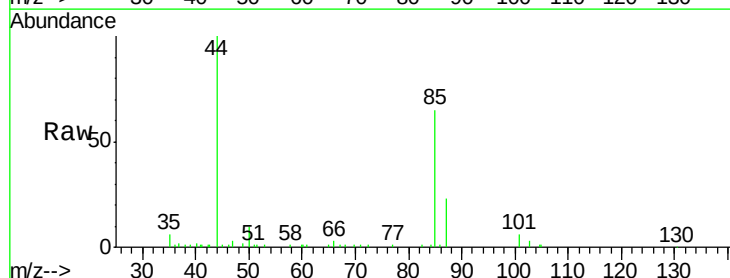
Acq: 10 Sep 2019 09:06

Tgt Ion: 85 Resp: 7586

Ion Ratio Lower Upper

85 100

87 35.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

8000

6000

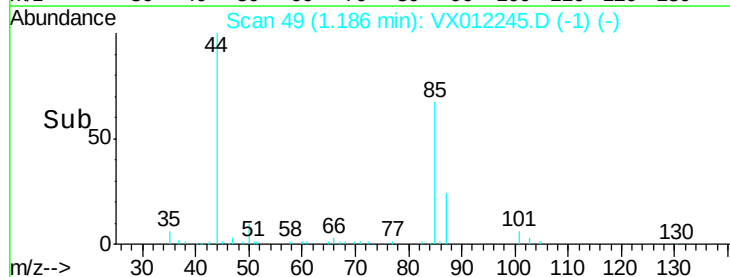
4000

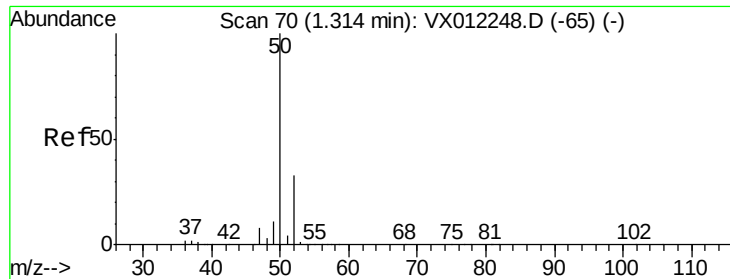
2000

0

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 5.047 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6104

Ion Ratio Lower Upper

50 100

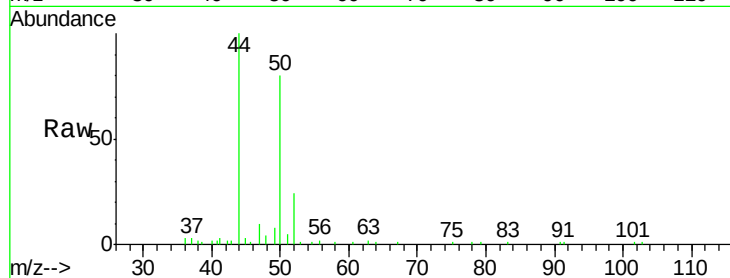
52 29.2 26.7 40.1

Manual Integrations

APPROVED

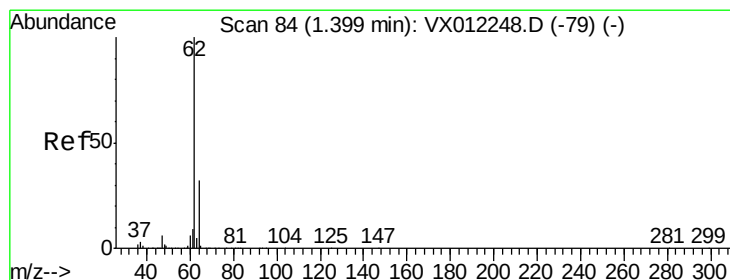
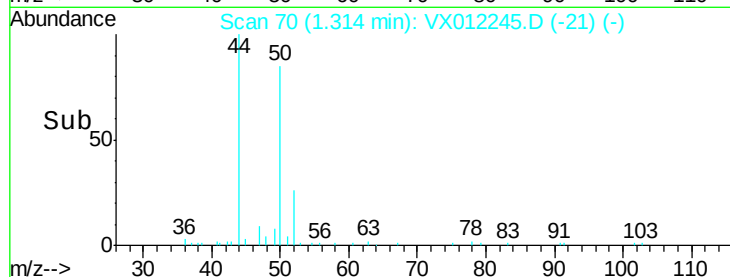
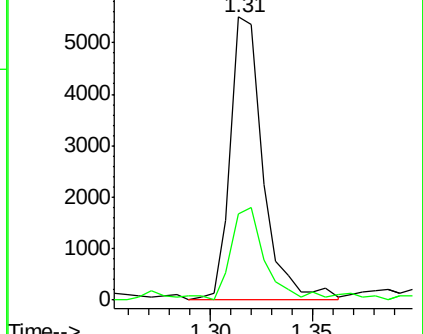
MMDadoda

9/12/2019 9:00:18 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 5.131 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012245.D

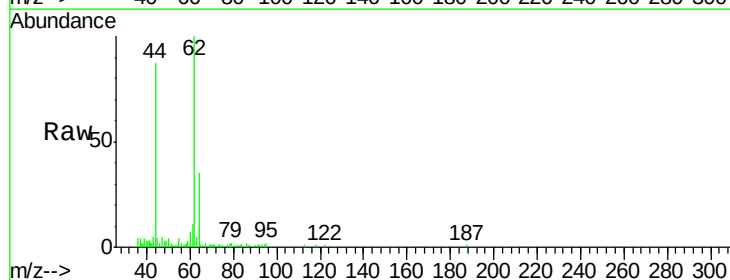
Acq: 10 Sep 2019 09:06

Tgt Ion: 62 Resp: 5943

Ion Ratio Lower Upper

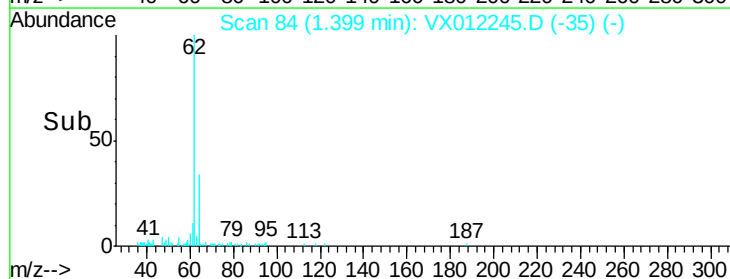
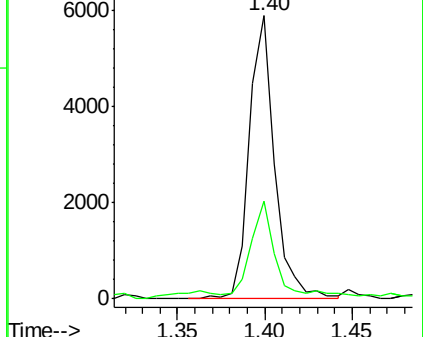
62 100

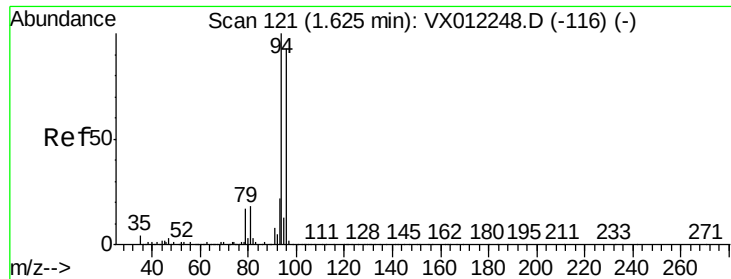
64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 8.877 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 3728

Ion Ratio Lower Upper

94 100

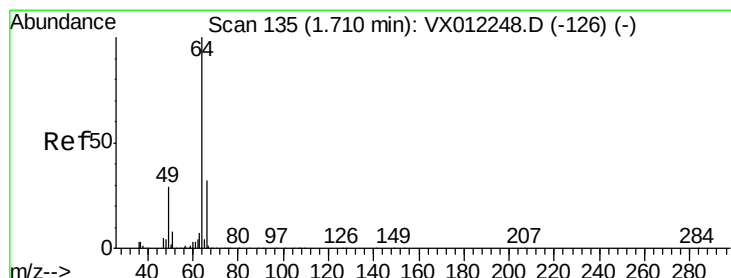
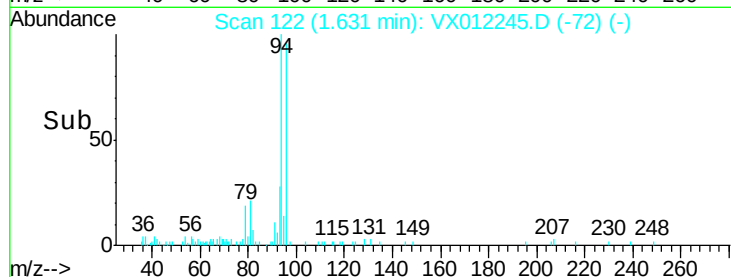
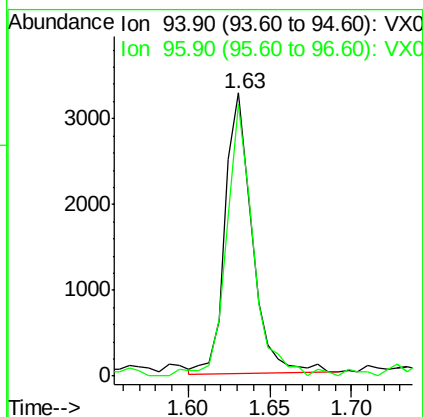
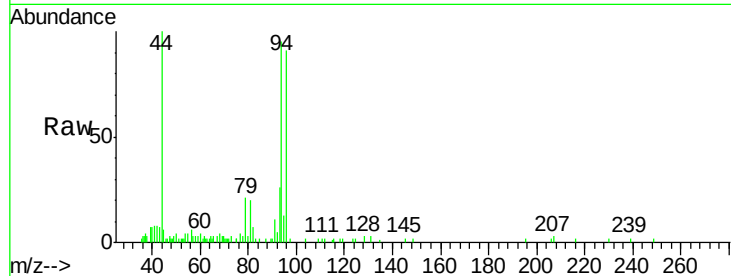
96 97.6 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM



#6

Chloroethane

Concen: 6.634 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012245.D

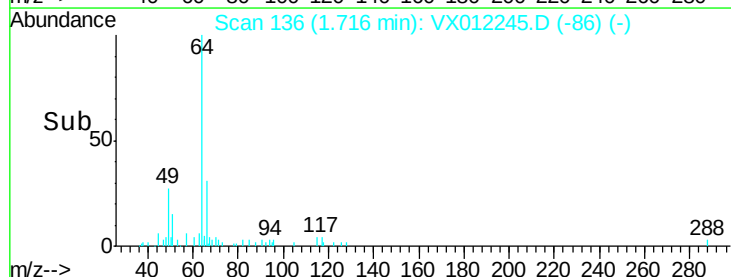
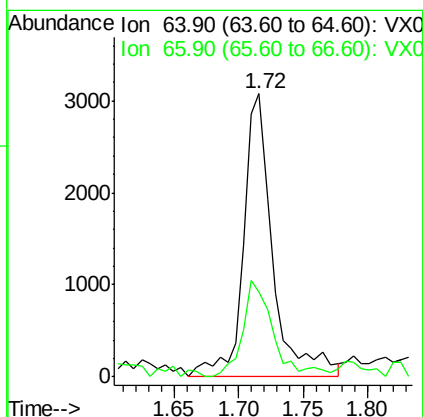
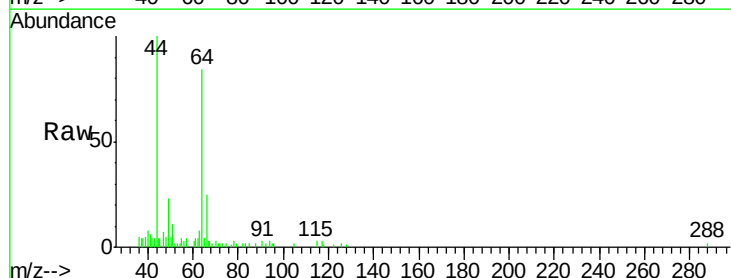
Acq: 10 Sep 2019 09:06

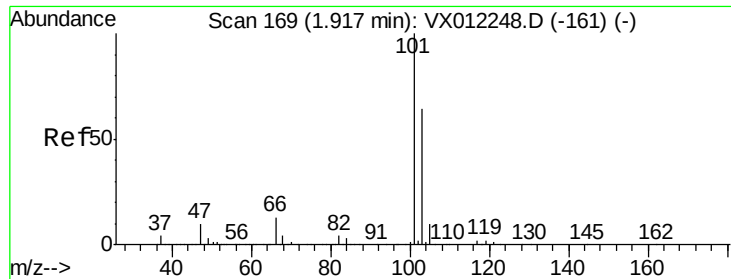
Tgt Ion: 64 Resp: 4824

Ion Ratio Lower Upper

64 100

66 27.5 25.8 38.6





#7

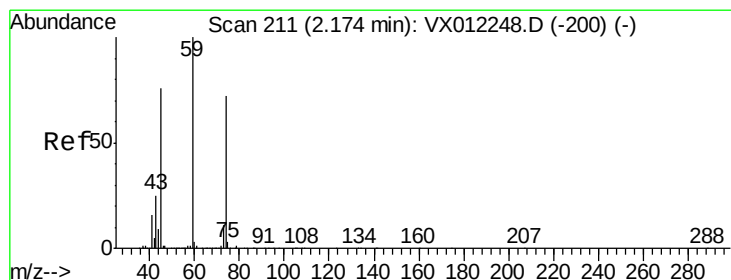
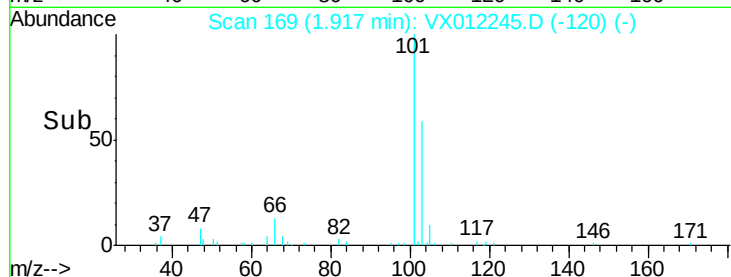
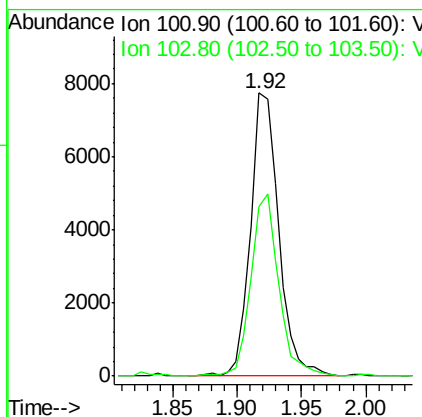
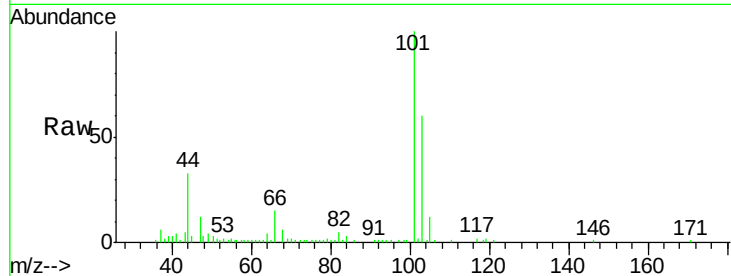
Trichlorofluoromethane
Concen: 5.928 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	51.4	77.2

Manual Integrations
APPROVED

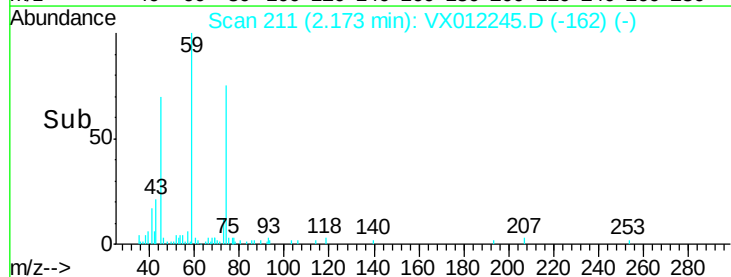
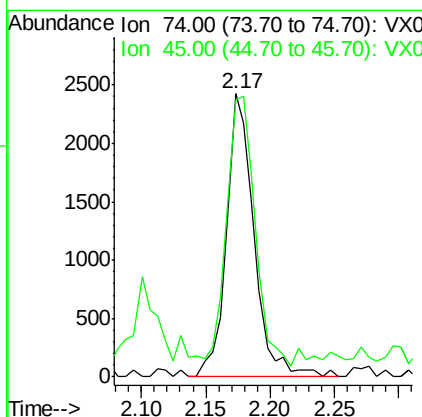
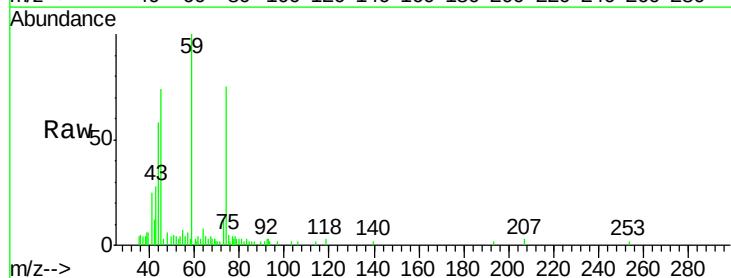
MMDadoda
9/12/2019 9:00:18 AM

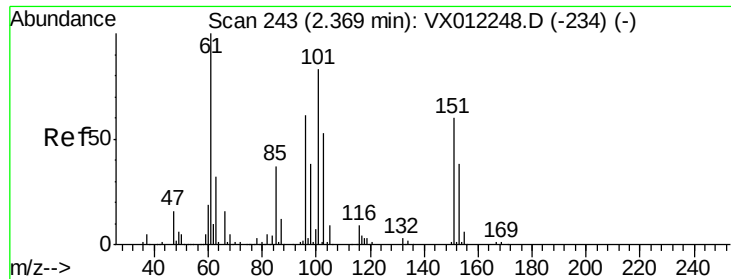


#8

Diethyl Ether
Concen: 4.179 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.184 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

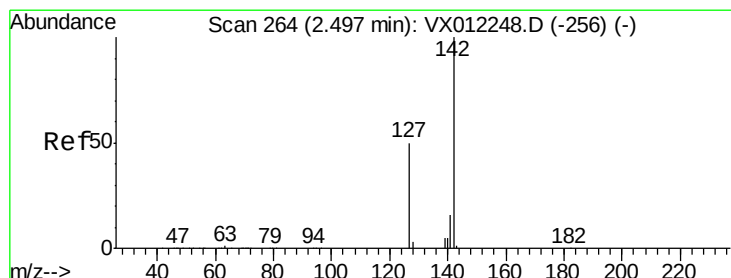
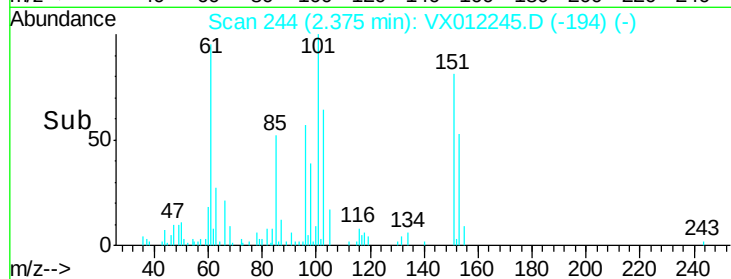
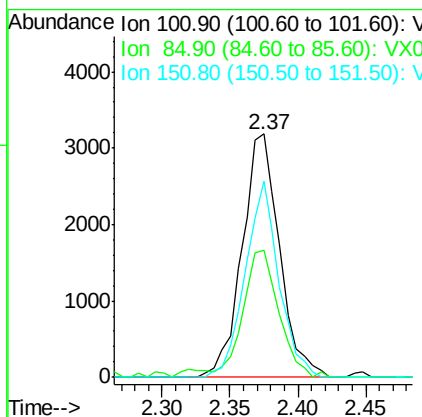
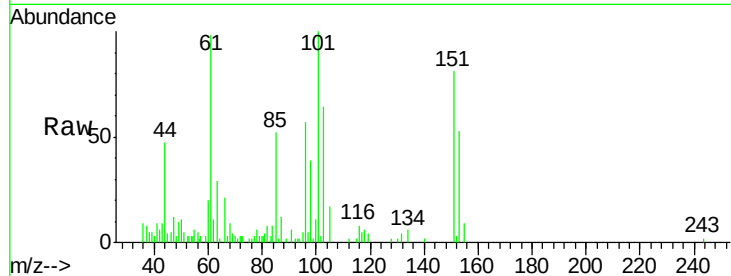
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	6141
Ion Ratio	Lower	Upper	
101	100		
85	49.7	37.0	55.6
151	72.1	58.6	87.8

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#10

Methyl Iodide

Concen: 3.799 ug/l

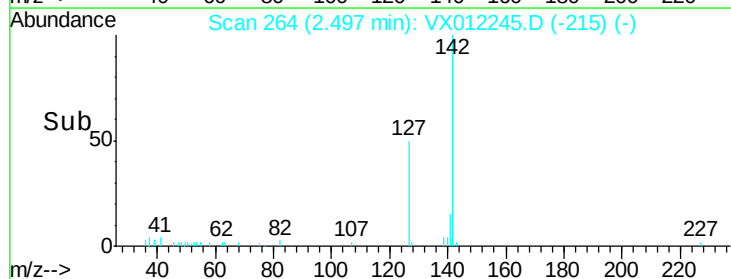
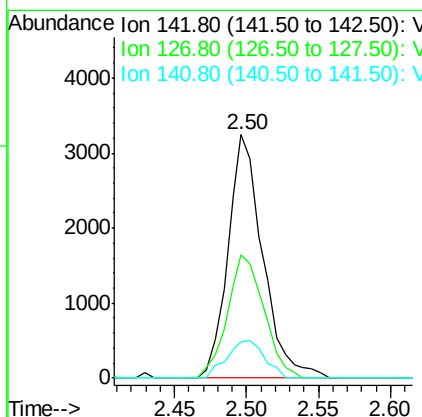
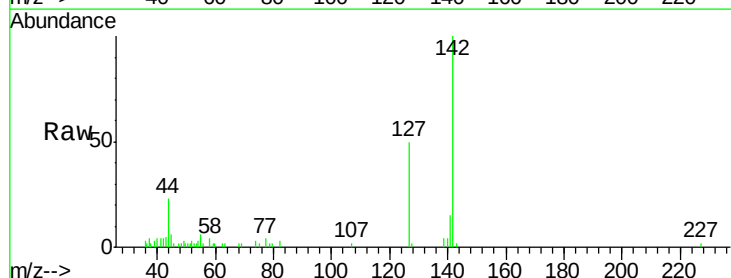
RT: 2.50 min Scan# 264

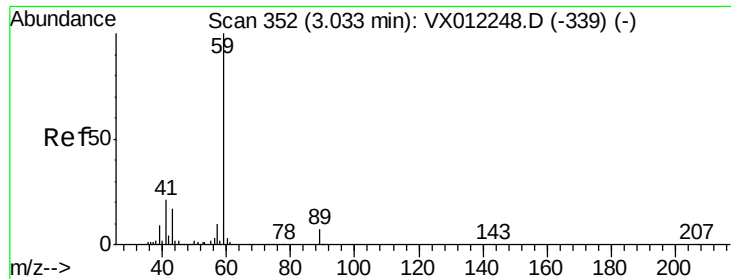
Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	142	Resp:	5476
Ion Ratio	Lower	Upper	
142	100		
127	53.0	40.6	61.0
141	16.6	12.0	18.0





#11

Tert butyl alcohol

Concen: 27.346 ug/l m

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 5944

Ion Ratio Lower Upper

59 100

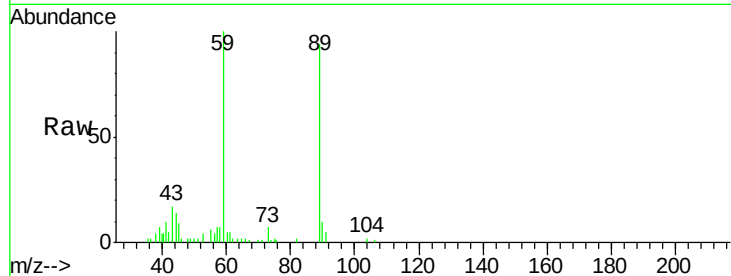
57 17.2 7.8 11.6#

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM

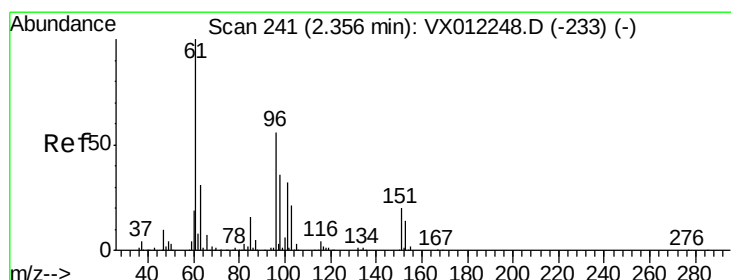
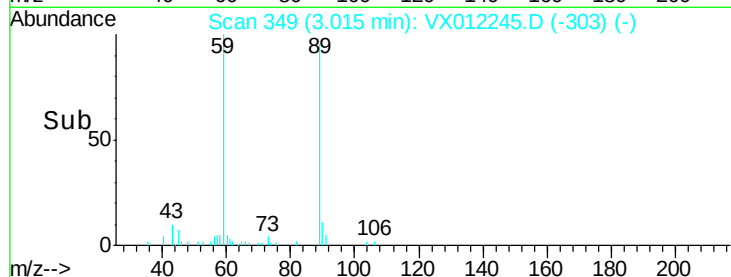


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

Time-->



#12

1,1-Dichloroethene

Concen: 4.411 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

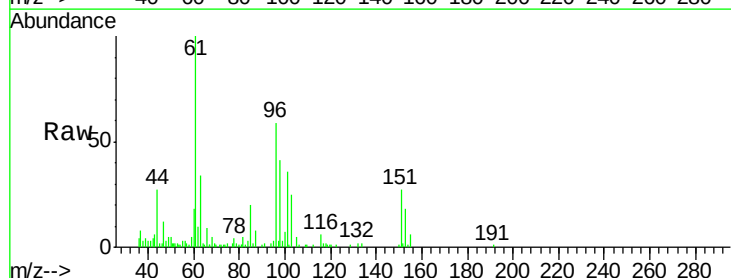
Tgt Ion: 96 Resp: 5453

Ion Ratio Lower Upper

96 100

61 167.3 142.2 213.2

98 68.8 51.3 76.9



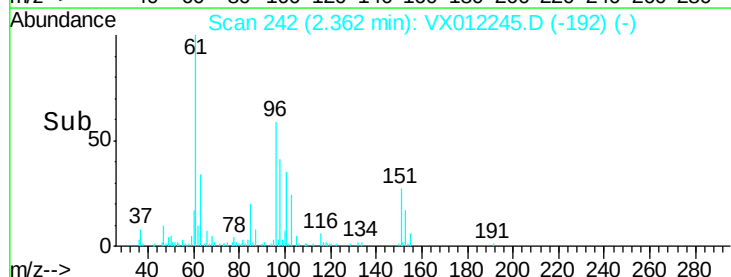
Abundance Ion 95.90 (95.60 to 96.60): VX0

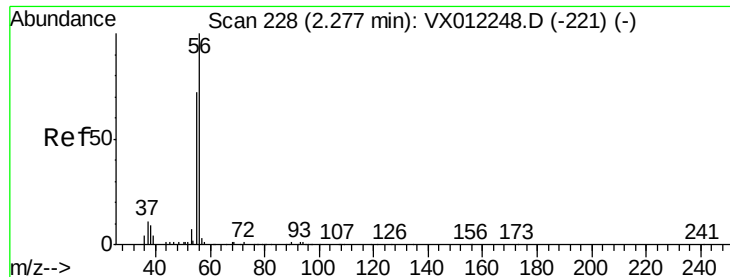
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2.36

Time-->





#13

Acrolein

Concen: 23.700 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3123

Ion Ratio Lower Upper

56 100

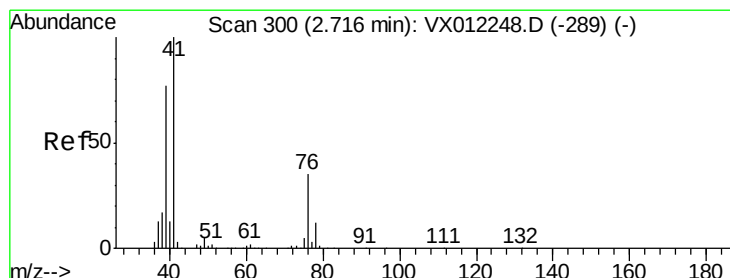
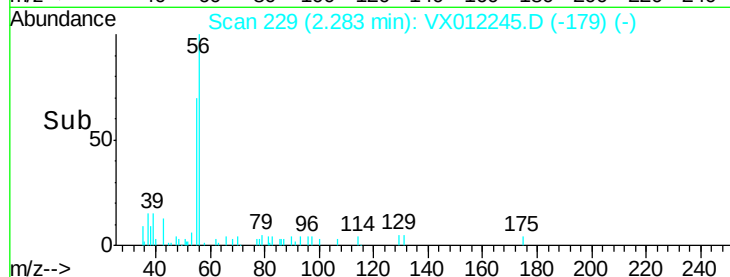
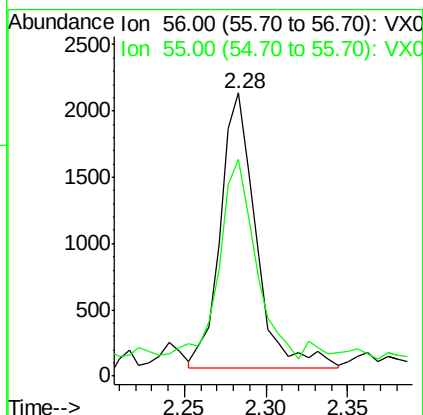
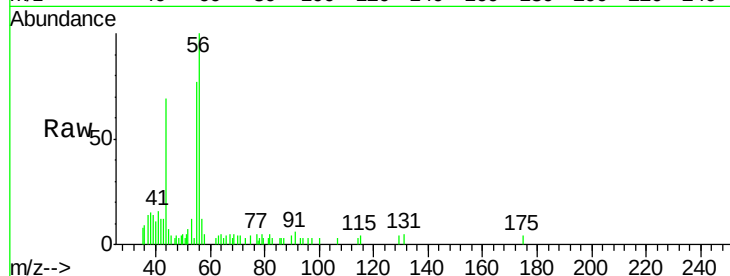
55 75.5 59.8 89.6

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM



#14

Allyl chloride

Concen: 4.615 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

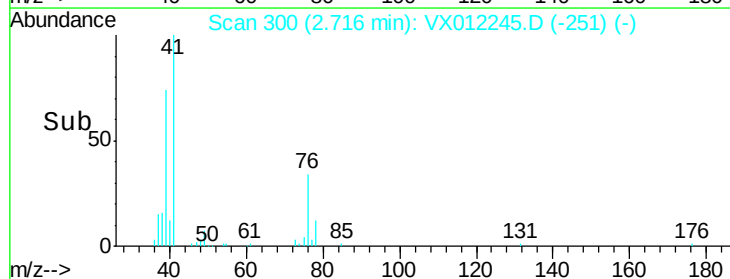
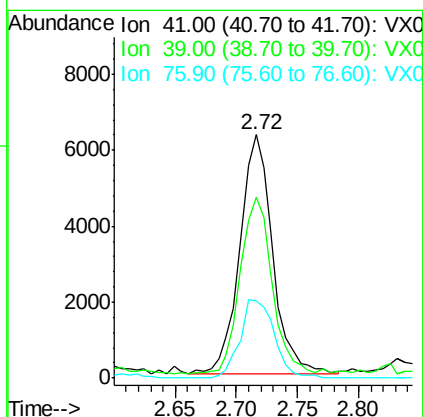
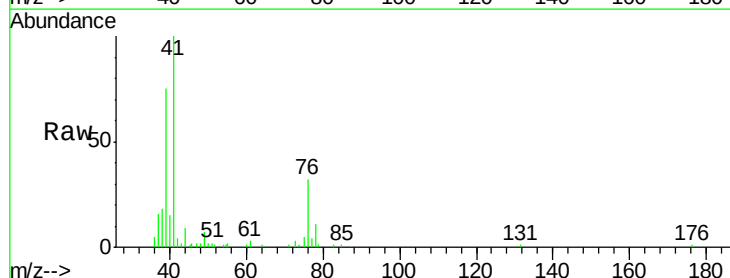
Tgt Ion: 41 Resp: 11774

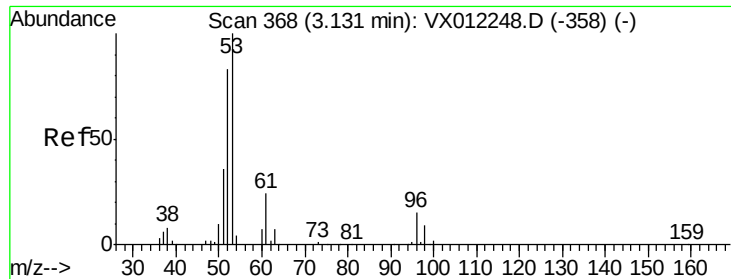
Ion Ratio Lower Upper

41 100

39 71.8 58.6 87.8

76 34.1 26.3 39.5





#15

Acrylonitrile

Concen: 21.086 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

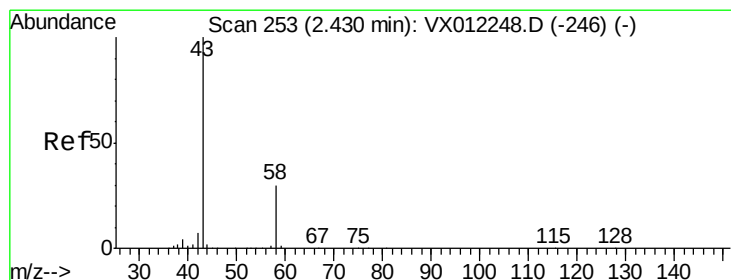
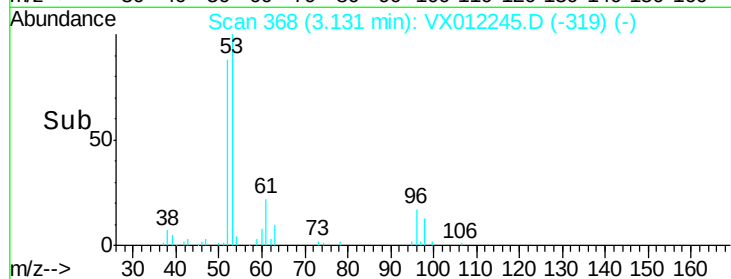
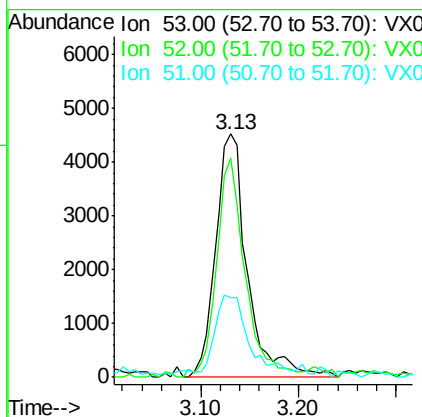
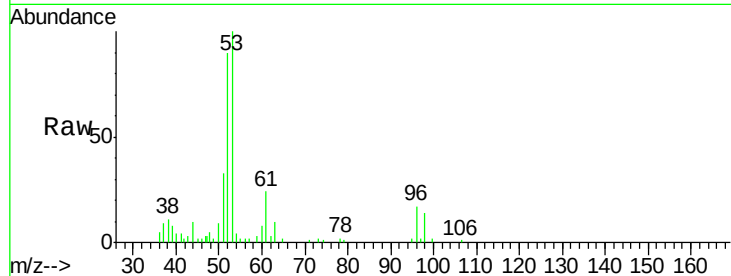
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10204
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.8	100.2
51	34.6	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#16

Acetone

Concen: 34.293 ug/l

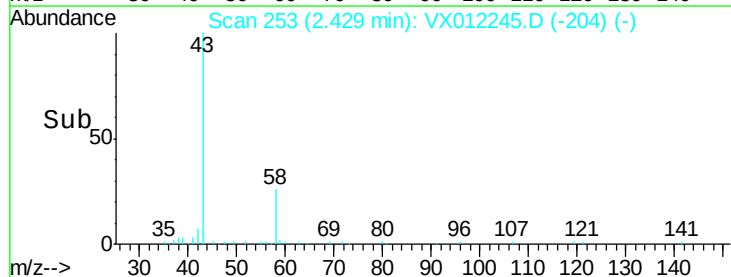
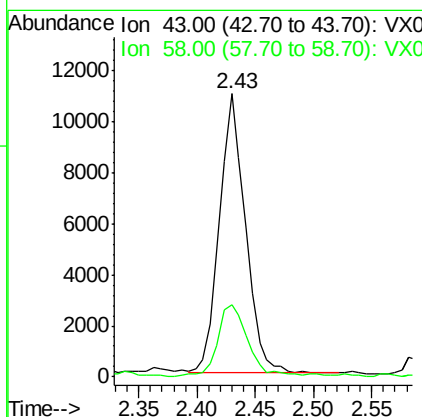
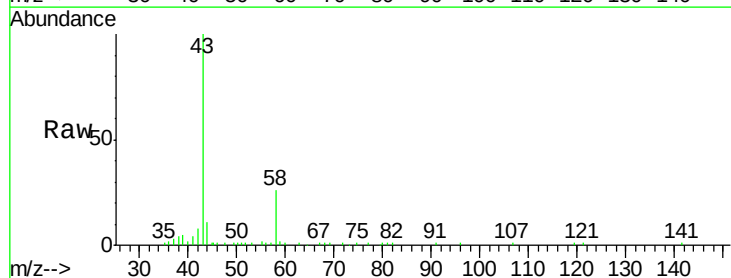
RT: 2.43 min Scan# 253

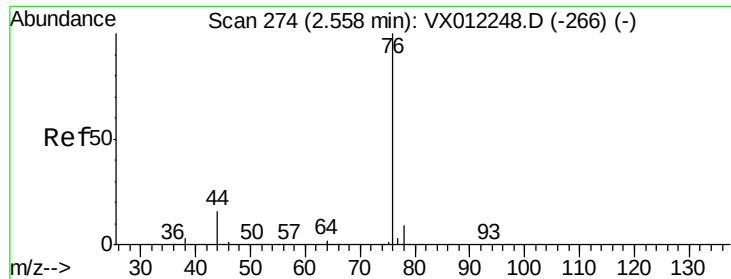
Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	43	Resp:	16944
Ion	Ratio	Lower	Upper
43	100		
58	25.2	23.6	35.4





#17

Carbon Disulfide

Concen: 4.969 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 12641

Ion Ratio Lower Upper

76 100

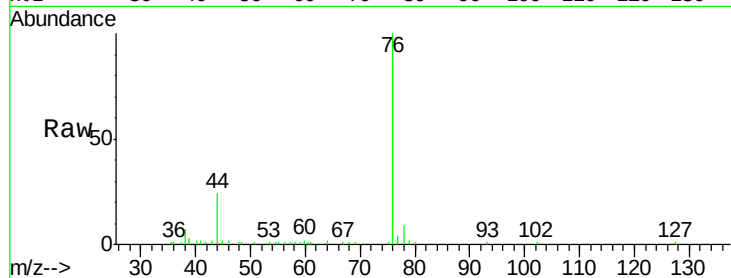
78 9.0 7.4 11.2

Manual Integrations

APPROVED

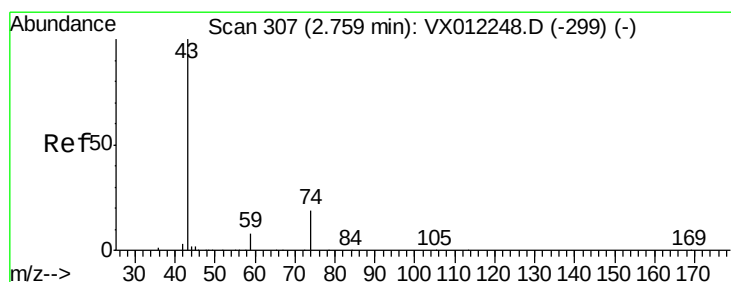
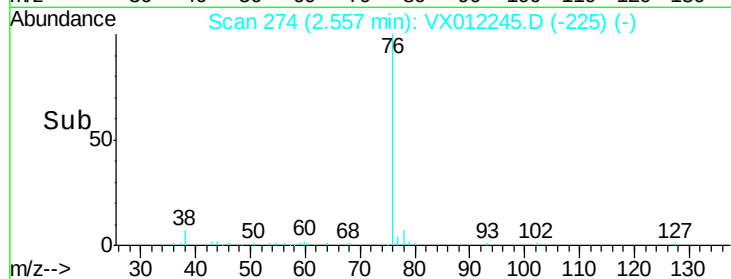
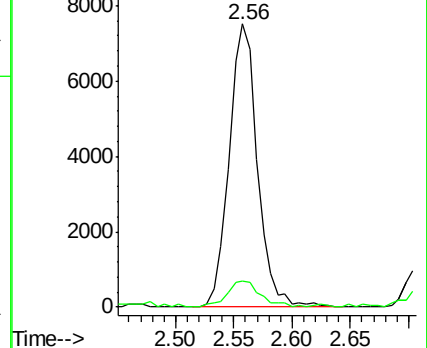
MMDadoda

9/12/2019 9:00:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 4.736 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX012245.D

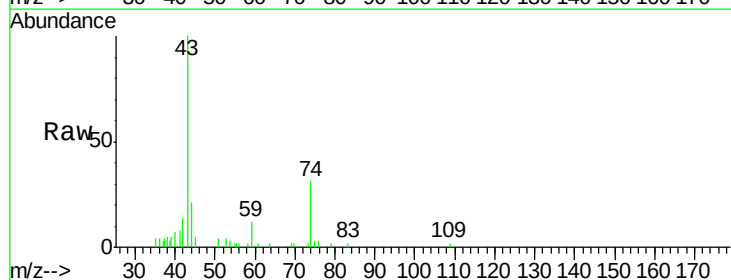
Acq: 10 Sep 2019 09:06

Tgt Ion: 43 Resp: 5946

Ion Ratio Lower Upper

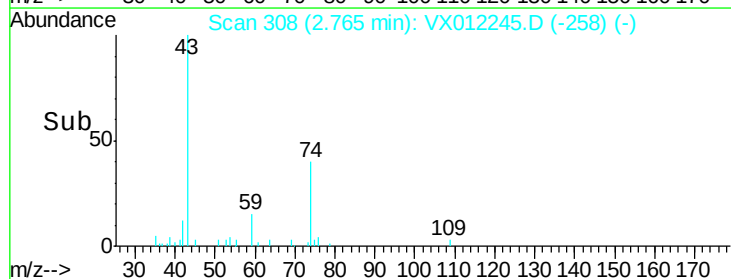
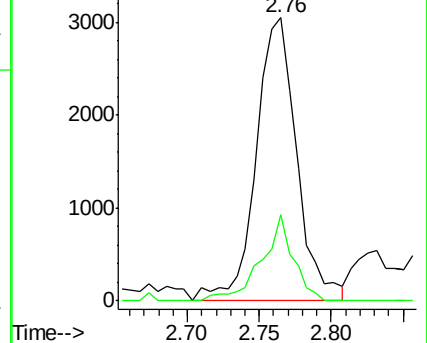
43 100

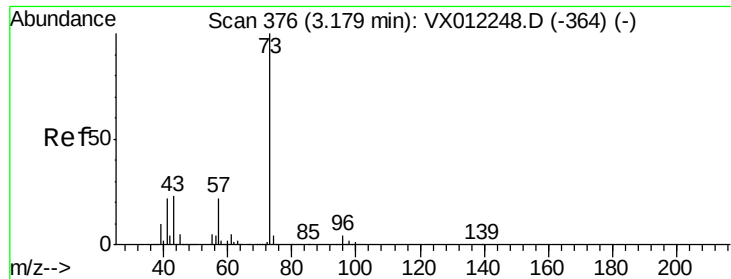
74 23.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





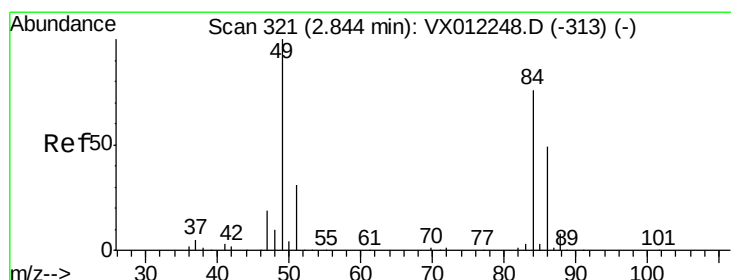
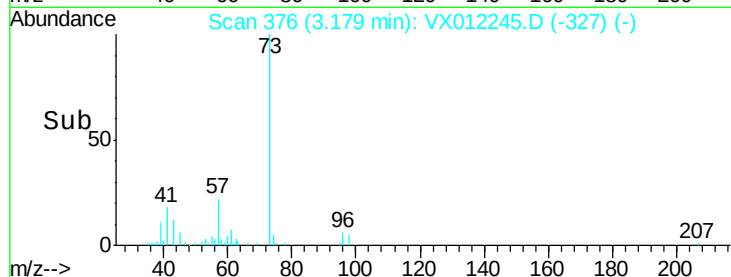
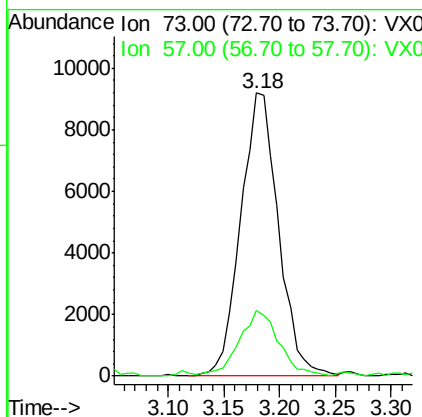
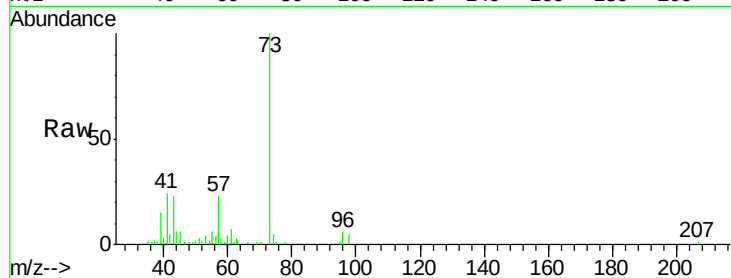
#19
Methvl tert-butyl Ether
Concen: 4.267 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 21698
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

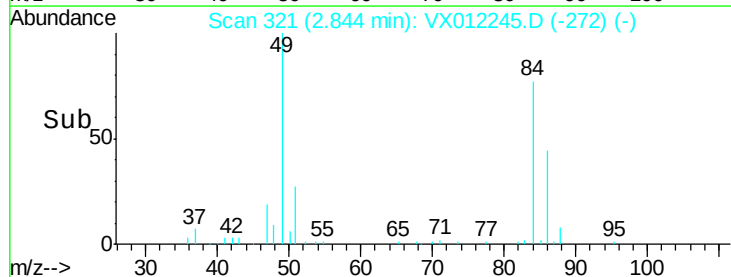
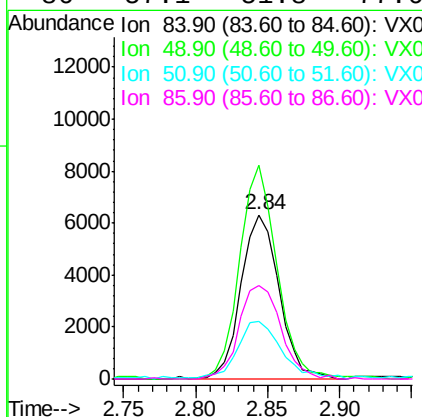
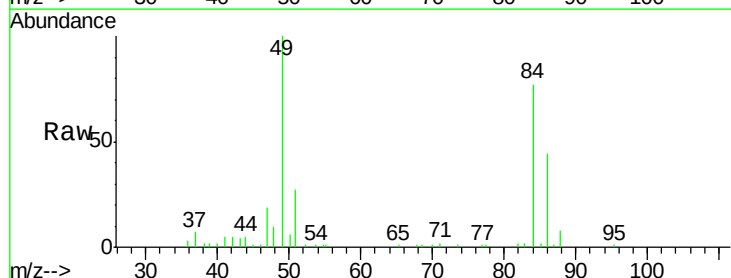
Manual Integrations
APPROVED

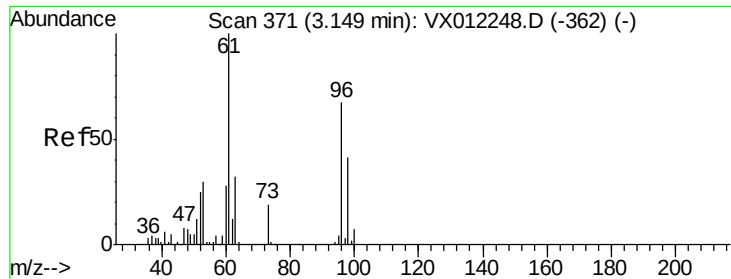
MMDadoda
9/12/2019 9:00:18 AM



#20
Methylene Chloride
Concen: 5.611 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion: 84 Resp: 11634
Ion Ratio Lower Upper
84 100
49 130.0 105.0 157.6
51 33.6 32.6 48.8
86 57.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 4.859 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

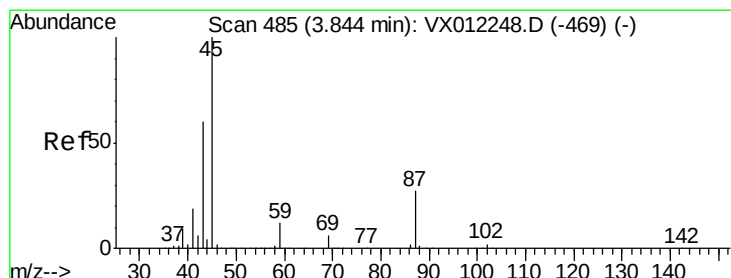
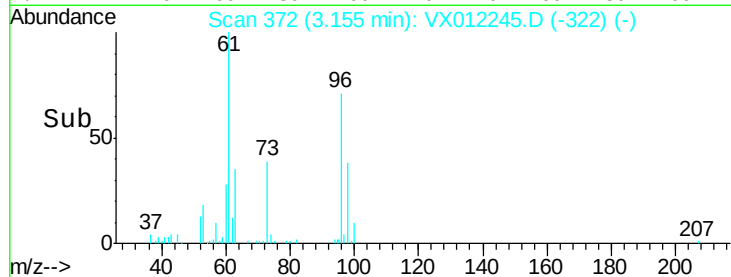
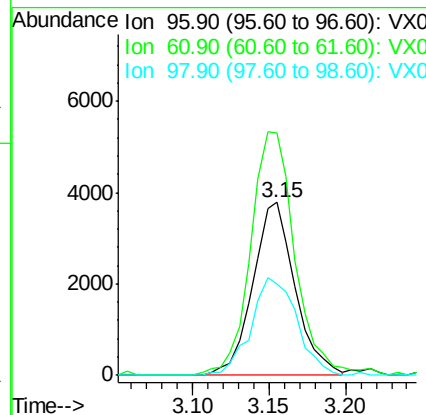
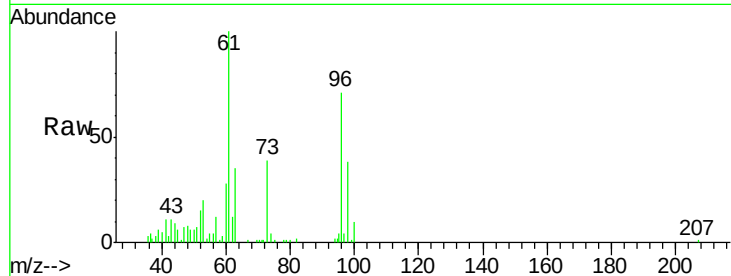
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	7271
Ion	Ratio	Lower	Upper
96	100		
61	140.0	119.4	179.2
98	53.0	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#22

Diisopropyl ether

Concen: 4.406 ug/l

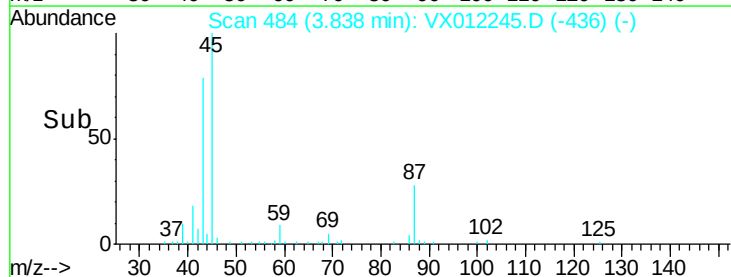
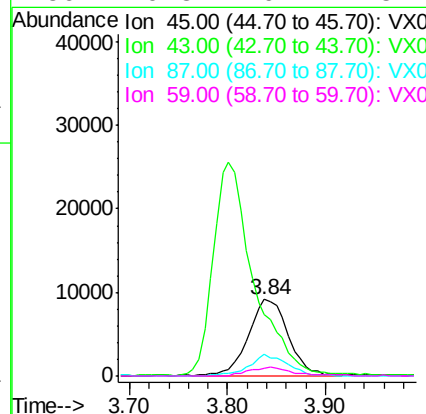
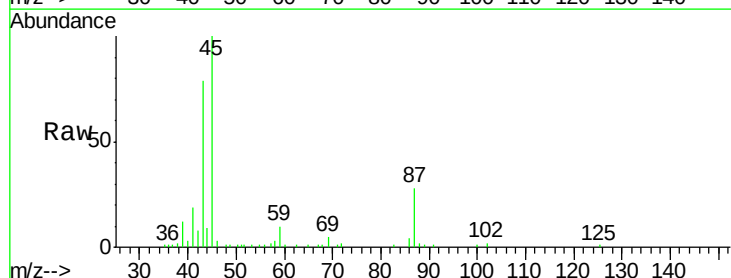
RT: 3.84 min Scan# 484

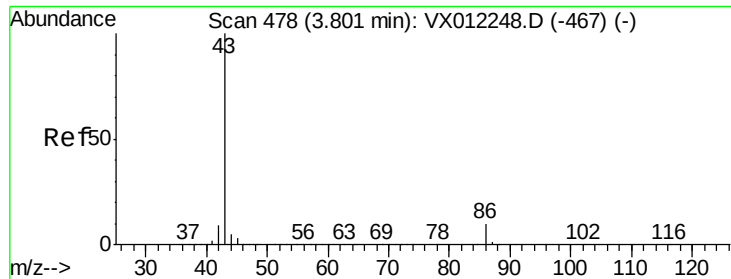
Delta R.T. -0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	45	Resp:	26209
Ion	Ratio	Lower	Upper
45	100		
43	76.5	48.3	72.5#
87	27.7	21.8	32.8
59	9.3	9.1	13.7





#23

Vinyl Acetate

Concen: 20.341 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 73866

Ion Ratio Lower Upper

43 100

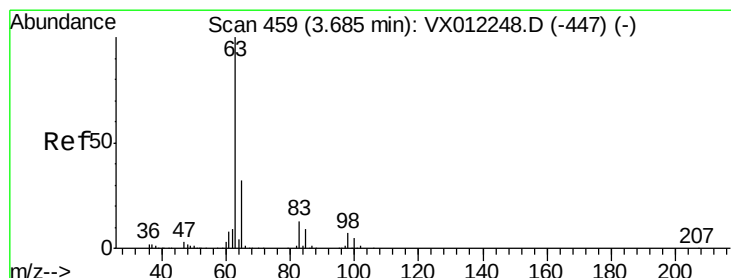
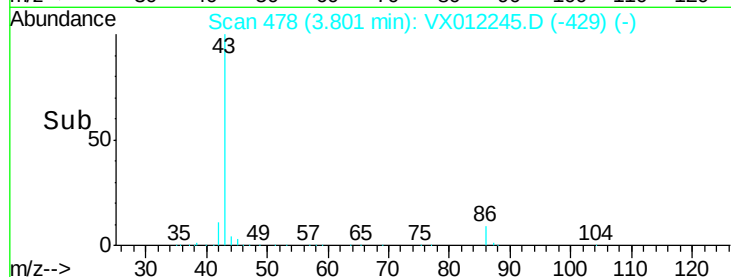
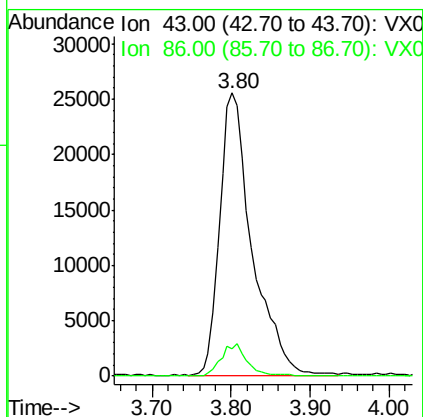
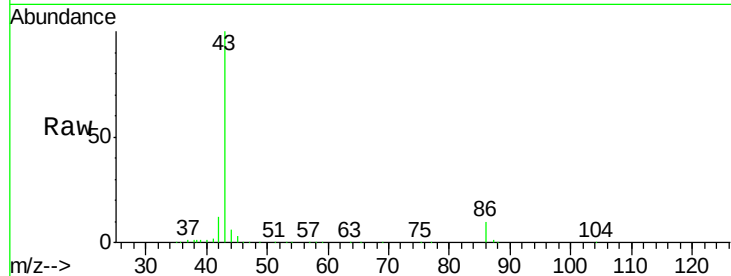
86 9.9 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM



#24

1,1-Dichloroethane

Concen: 4.540 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

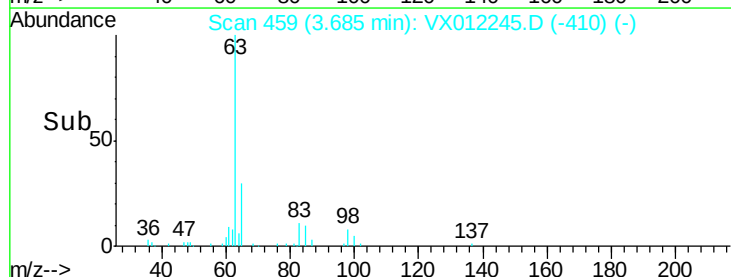
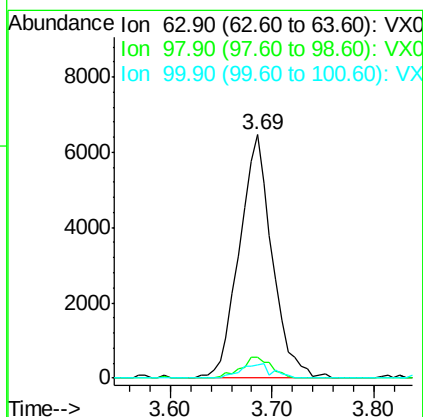
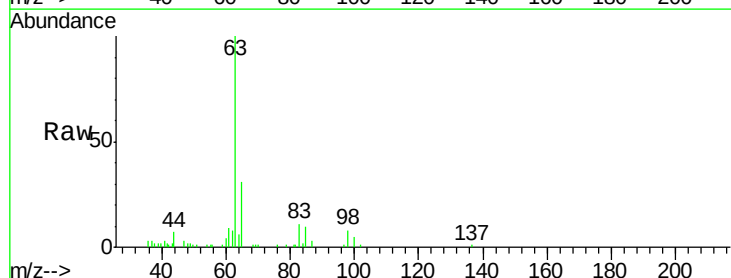
Tgt Ion: 63 Resp: 14414

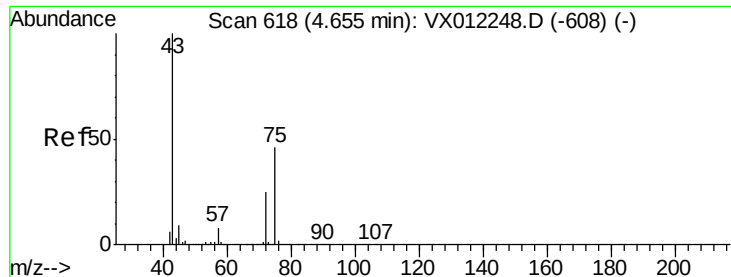
Ion Ratio Lower Upper

63 100

98 8.4 3.4 10.1

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 27.253 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 18461

Ion Ratio Lower Upper

43 100

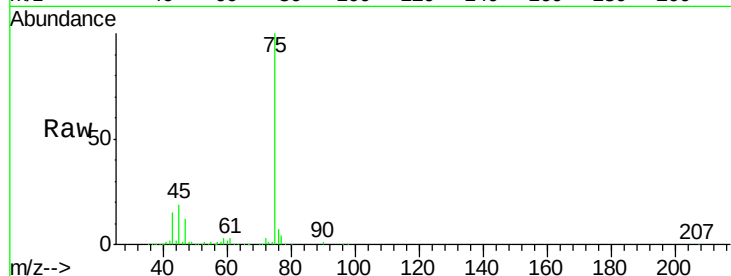
72 21.4 20.2 30.2

Manual Integrations

APPROVED

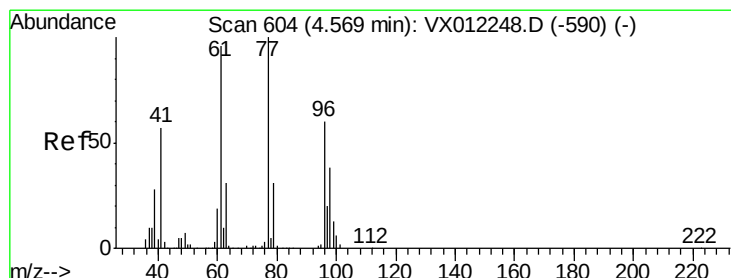
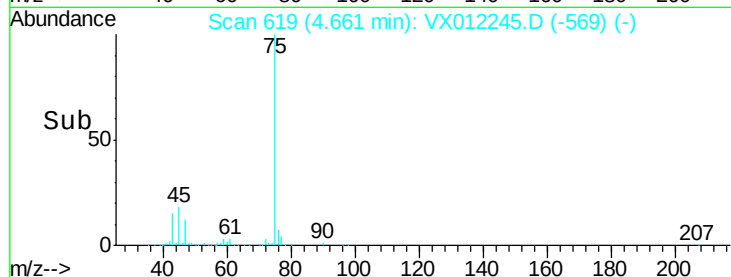
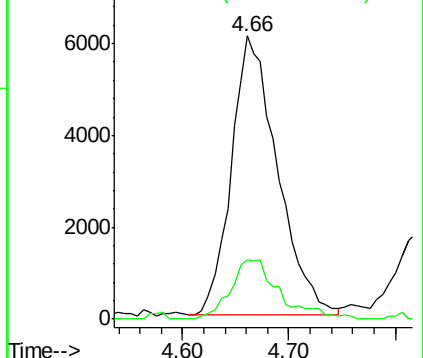
MMDadoda

9/12/2019 9:00:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 4.713 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012245.D

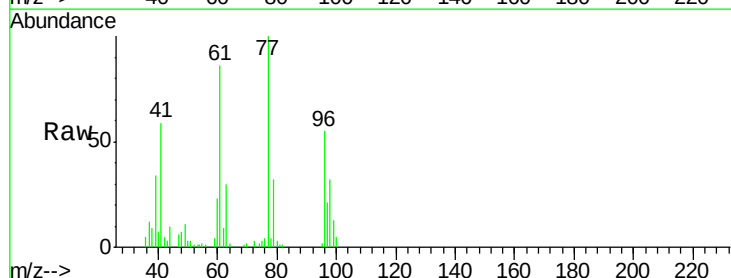
Acq: 10 Sep 2019 09:06

Tgt Ion: 77 Resp: 13879

Ion Ratio Lower Upper

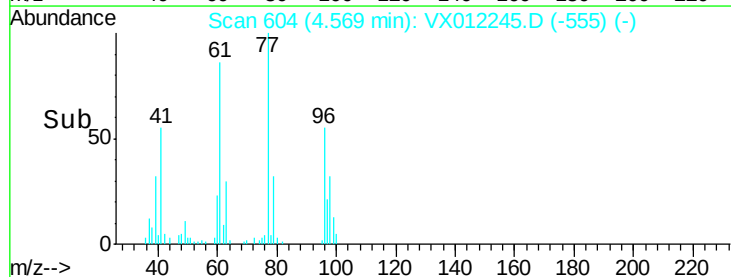
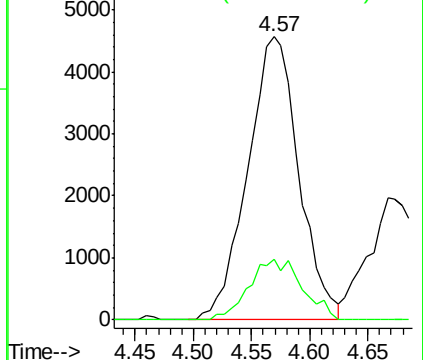
77 100

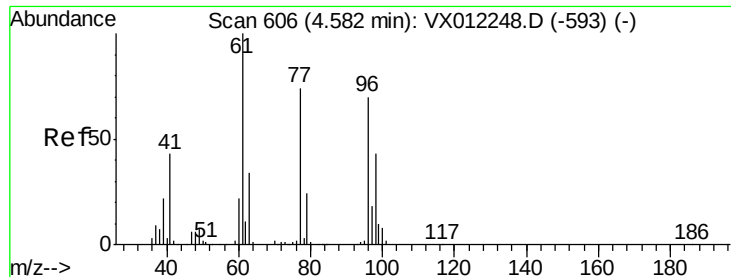
97 22.2 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

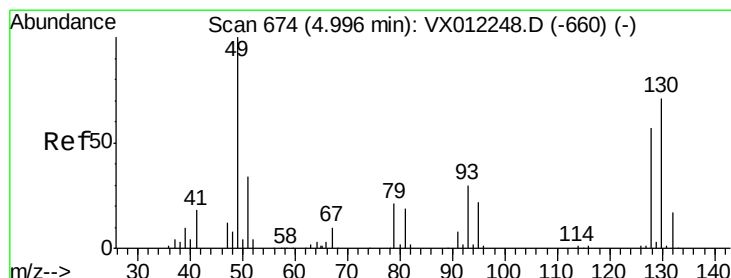
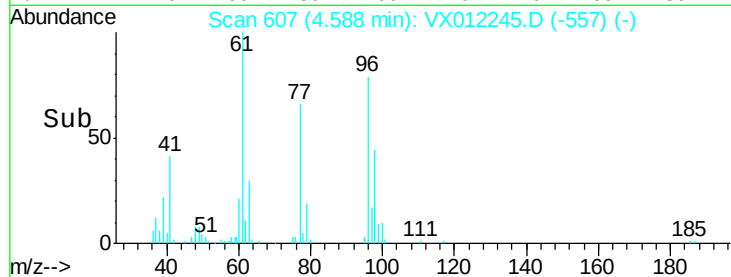
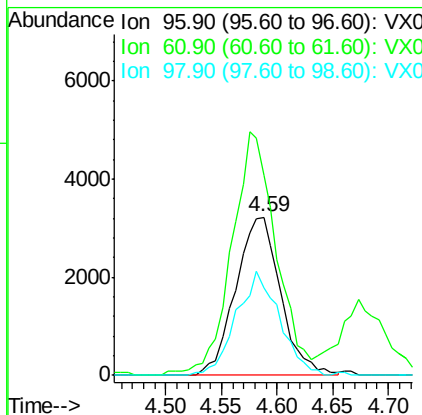
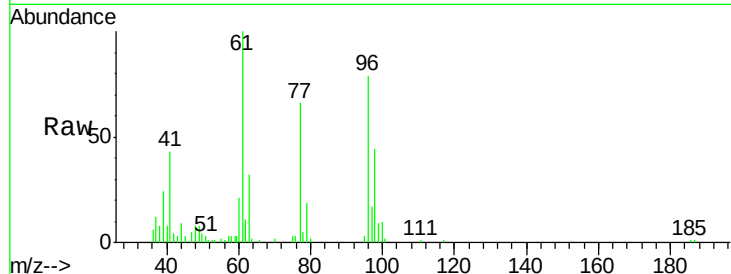
cis-1,2-Dichloroethene
Concen: 4.602 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	310.4
98	62.8	0.0	128.8

Manual Integrations
APPROVED

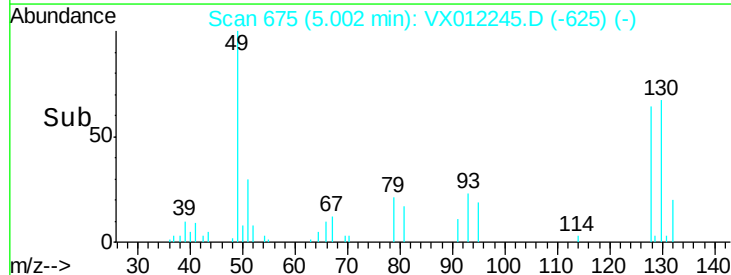
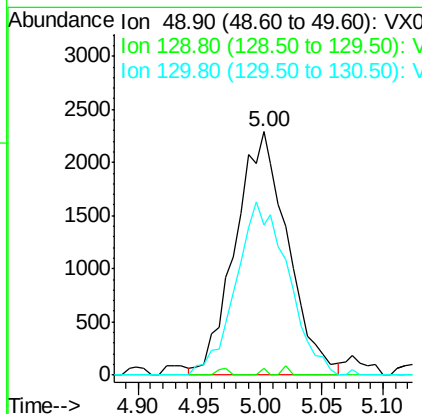
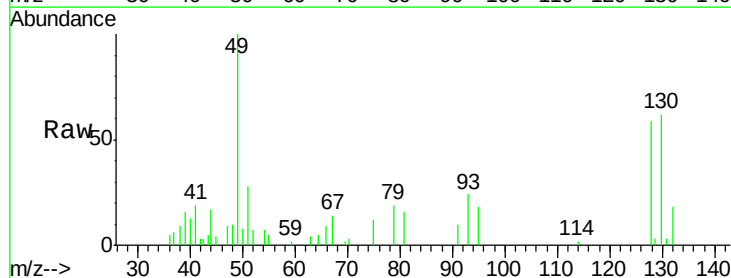
MMDadoda
9/12/2019 9:00:18 AM

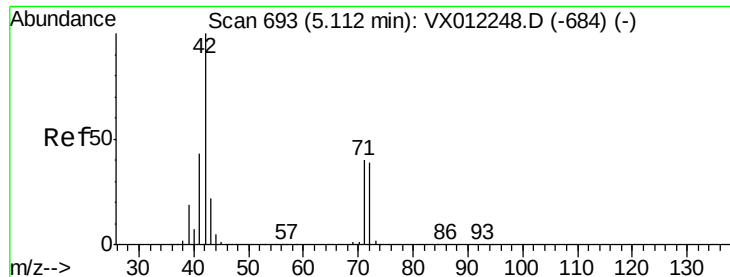


#28

Bromochloromethane
Concen: 4.681 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	5.2
130	70.9	60.1	90.1





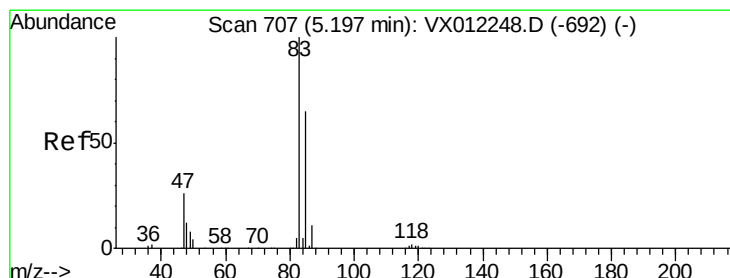
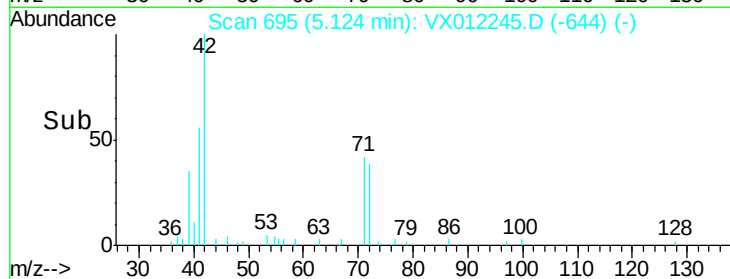
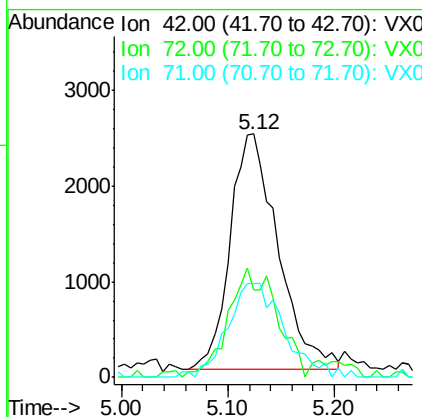
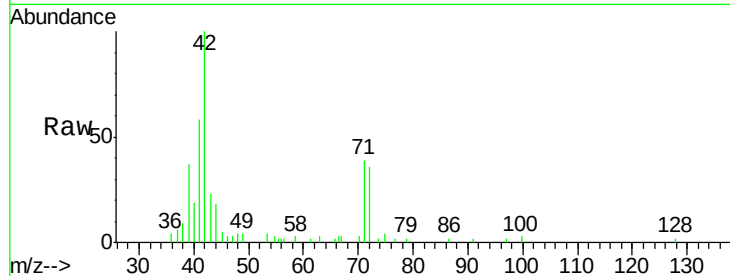
#29
Tetrahydrofuran
Concen: 18.940 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	35.2	52.8
71	47.2	32.5	48.7

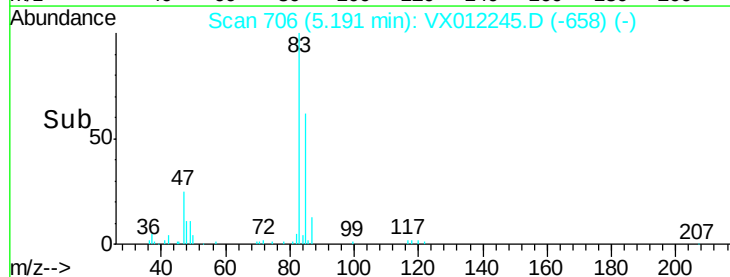
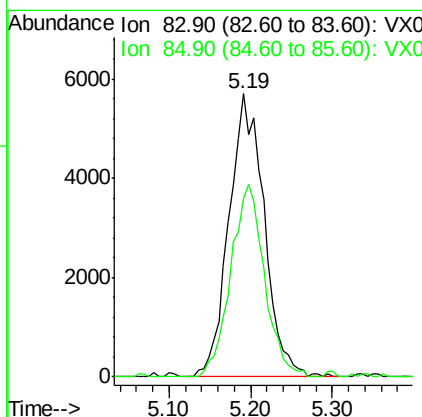
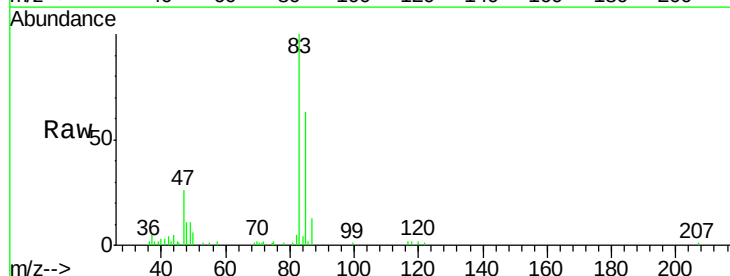
Manual Integrations
APPROVED

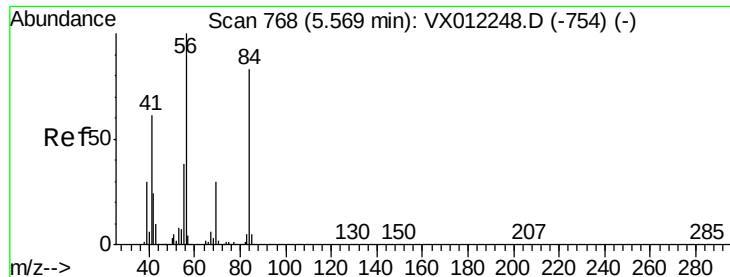
MMDadoda
9/12/2019 9:00:18 AM



#30
Chloroform
Concen: 4.687 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.3	78.5





#31

Cyclohexane

Concen: 5.095 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

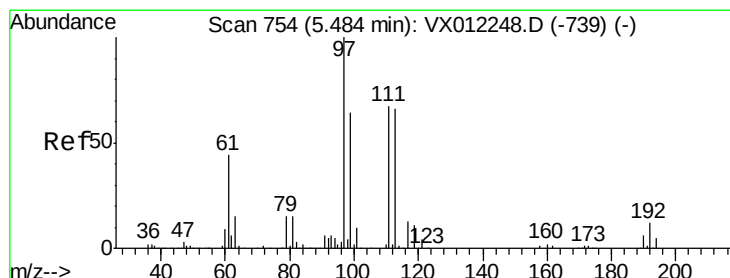
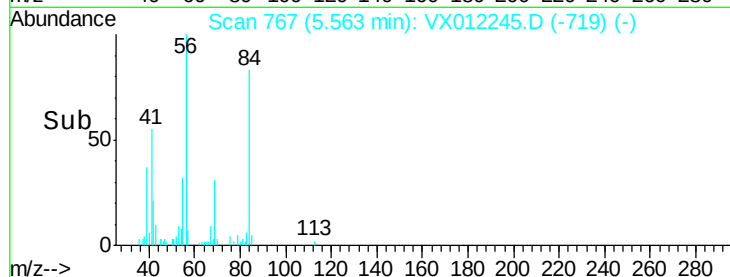
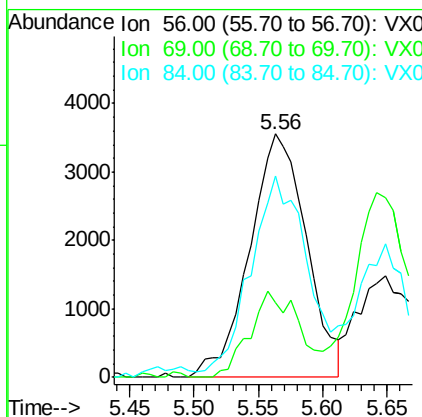
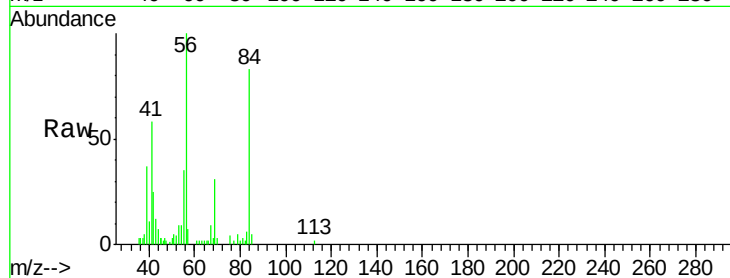
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	10880
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.8	35.6
84	80.3	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#32

1,1,1-Trichloroethane

Concen: 4.707 ug/l

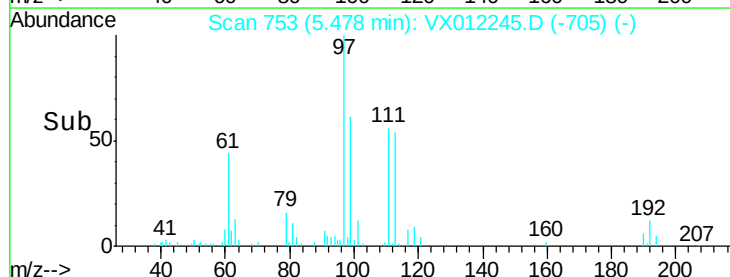
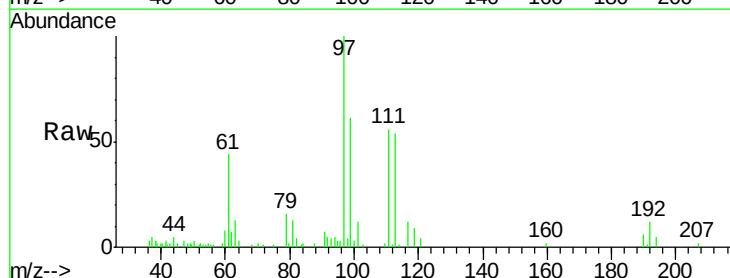
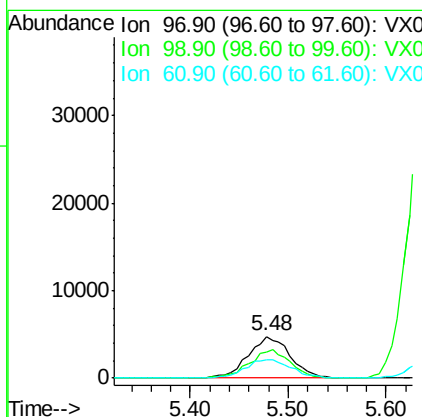
RT: 5.48 min Scan# 753

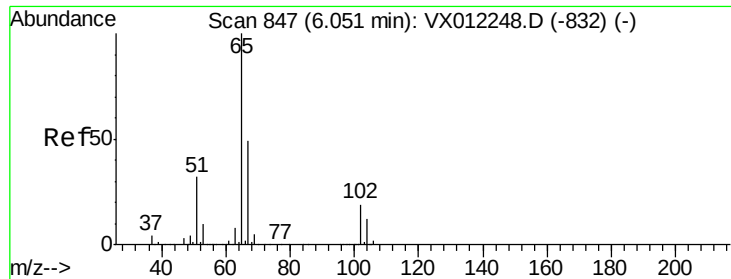
Delta R.T. -0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	97	Resp:	14164
Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.3	76.9
61	49.6	35.4	53.0





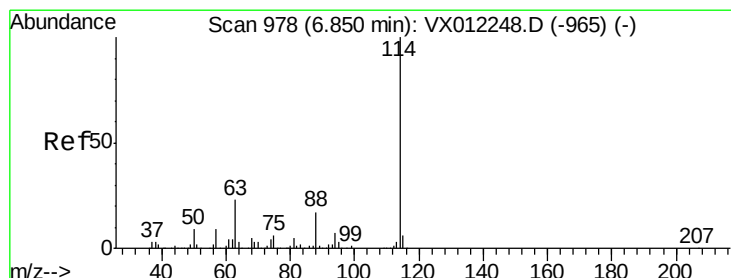
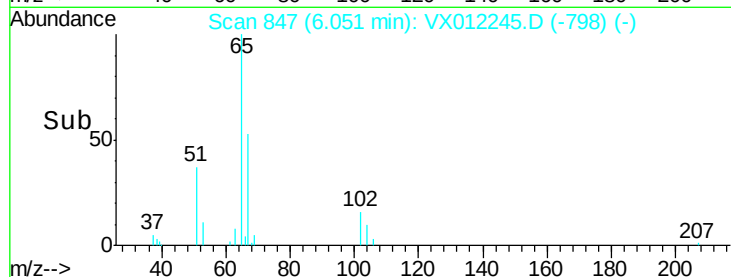
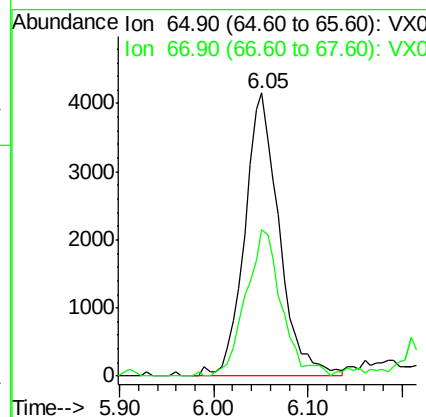
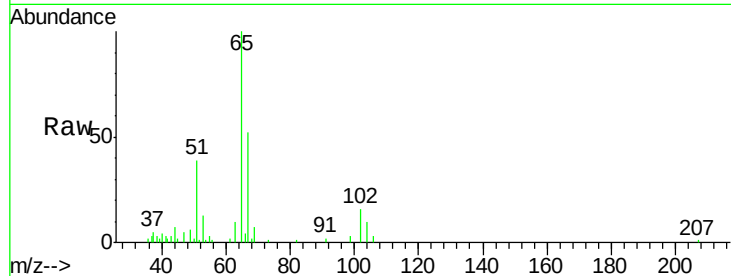
#33
 1,2-Dichloroethane-d4
 Concen: 4.553 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	99.8

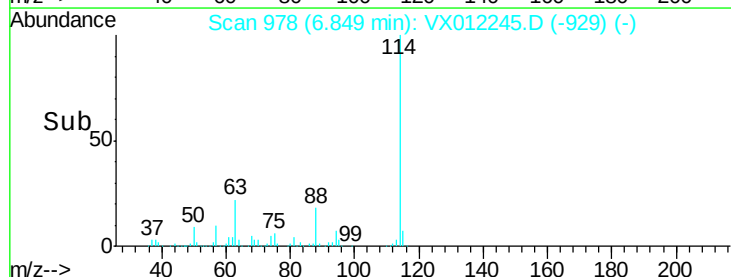
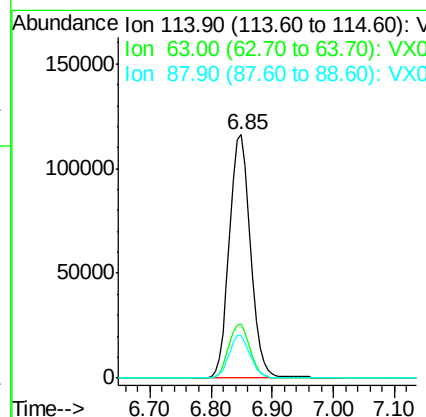
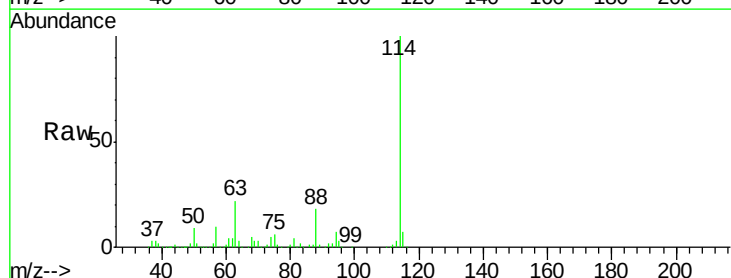
Manual Integrations
 APPROVED

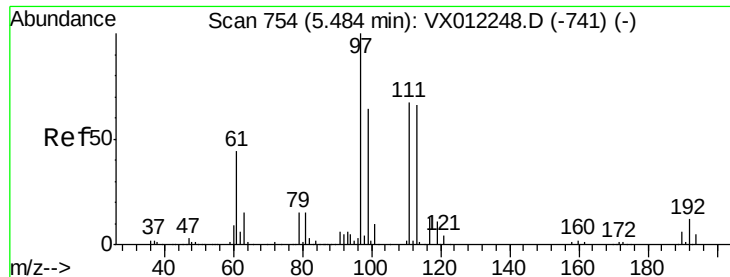
MMDadoda
 9/12/2019 9:00:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.2
88	17.6	0.0	34.8





#35

Dibromofluoromethane

Concen: 4.434 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

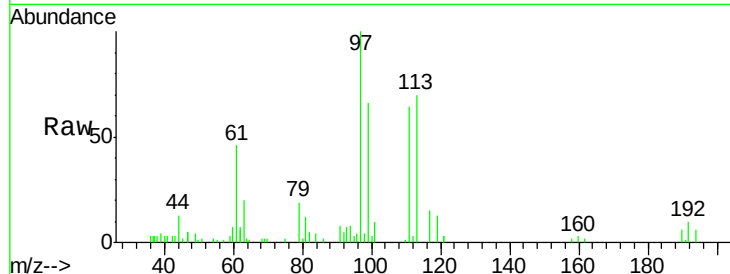
ClientSampleId :

VSTDIC005

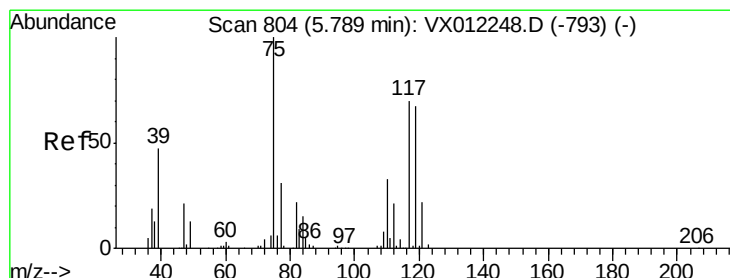
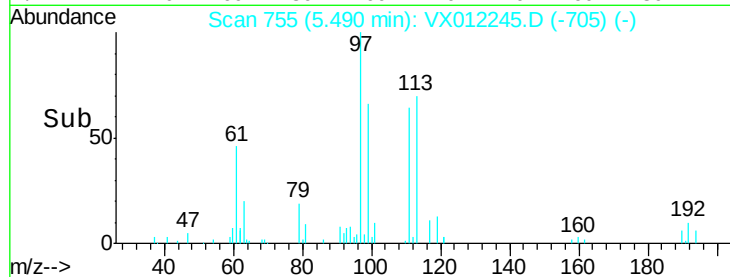
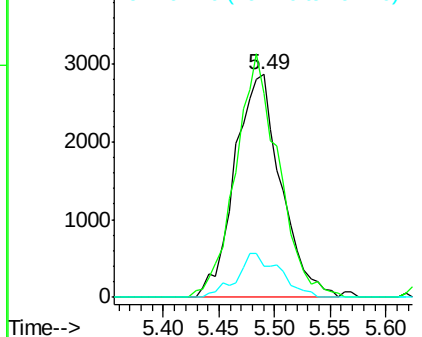
Tot Ion:	113	Resp:	8270
Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.0	124.6
192	18.4	14.3	21.5

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.499 ug/l

RT: 5.79 min Scan# 804

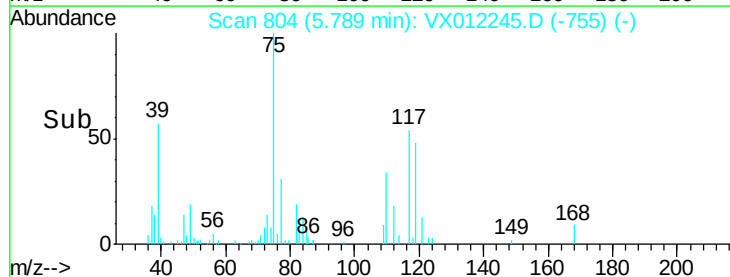
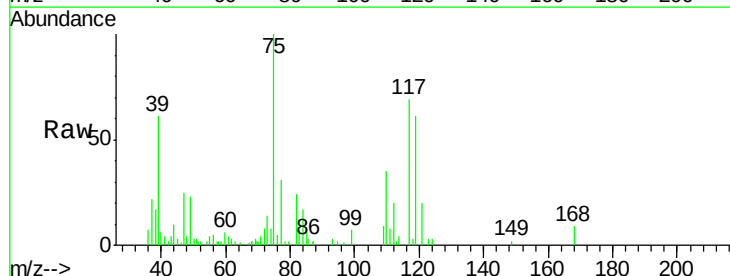
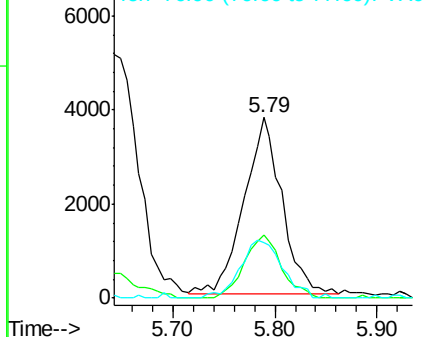
Delta R.T. -0.00 min

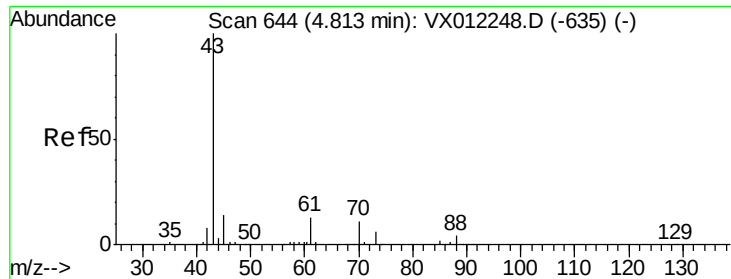
Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	75	Resp:	9635
Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.8	50.4
77	36.4	24.5	36.7

Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





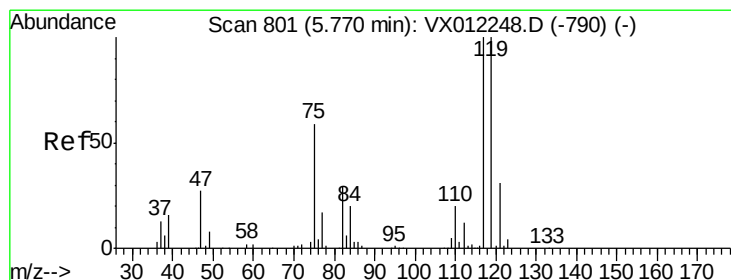
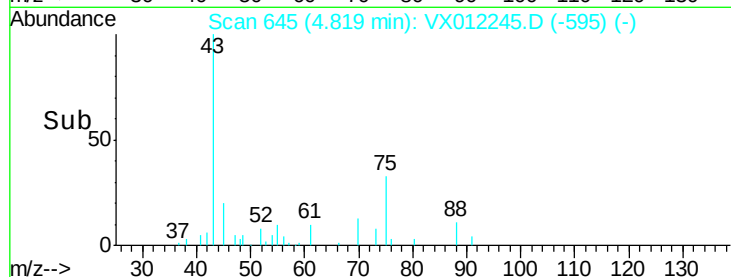
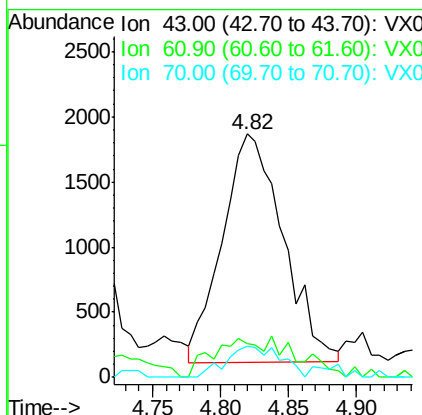
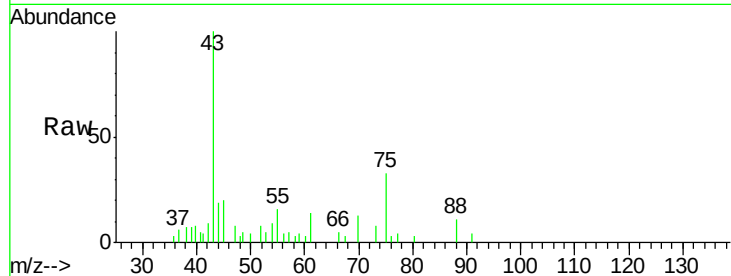
#37
Ethyl Acetate
Concen: 3.870 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	5474
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.3	15.5
70	12.3	9.1	13.7

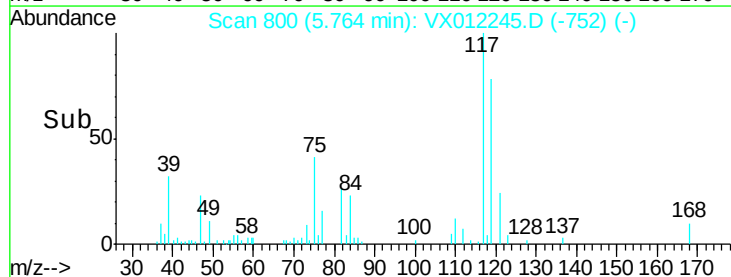
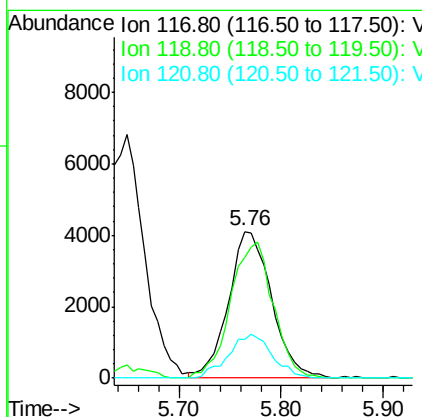
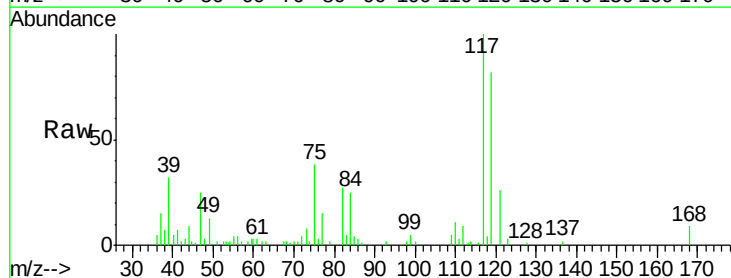
Manual Integrations
APPROVED

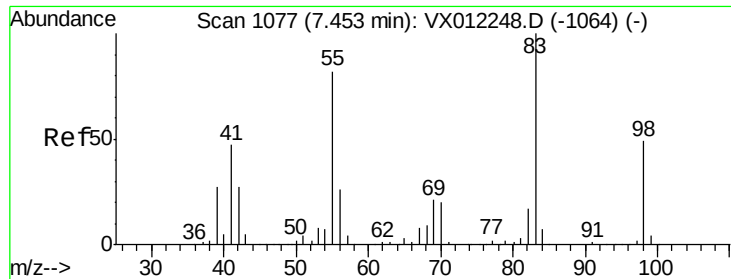
MMDadoda
9/12/2019 9:00:18 AM



#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion:	117	Resp:	12050
Ion	Ratio	Lower	Upper
117	100		
119	82.5	79.6	119.4
121	26.4	24.7	37.1





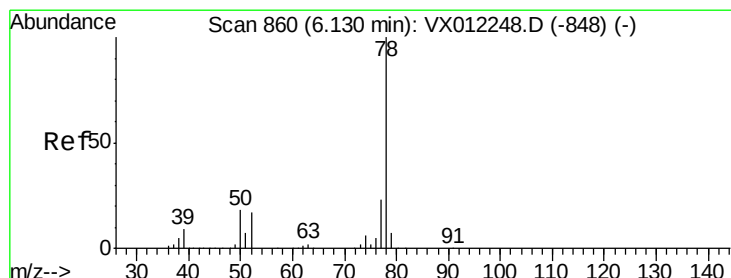
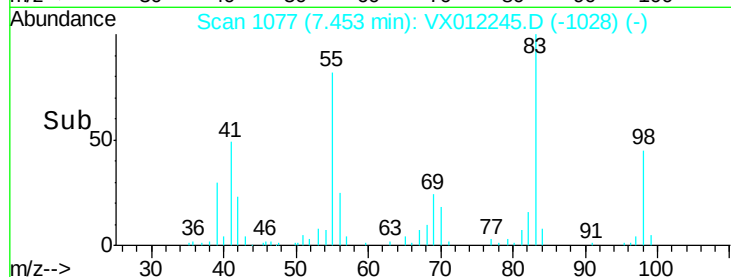
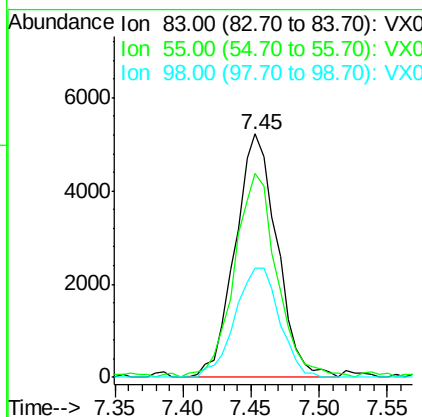
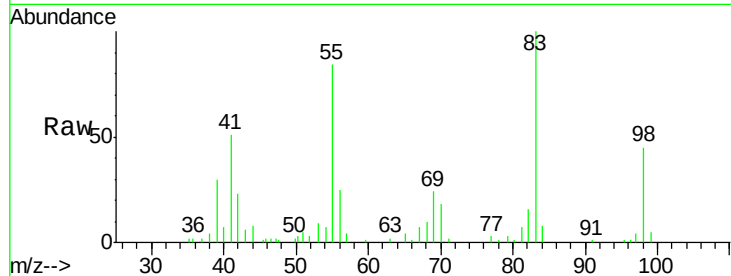
#39
Methylvlcyclohexane
Concen: 4.962 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	65.4	98.2
98	45.1	39.6	59.4

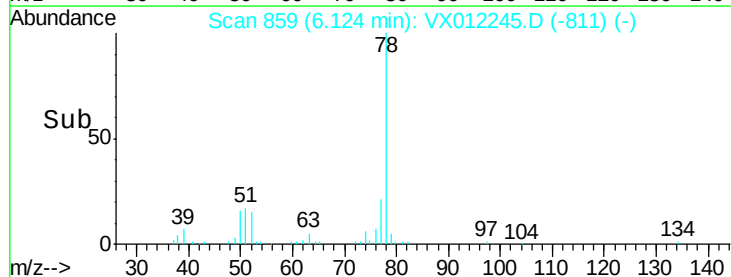
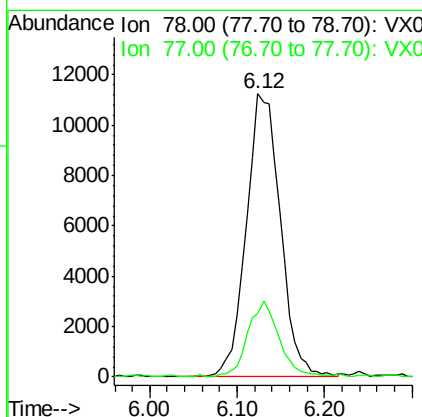
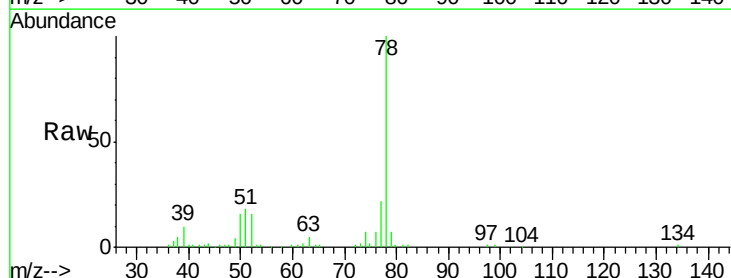
Manual Integrations
APPROVED

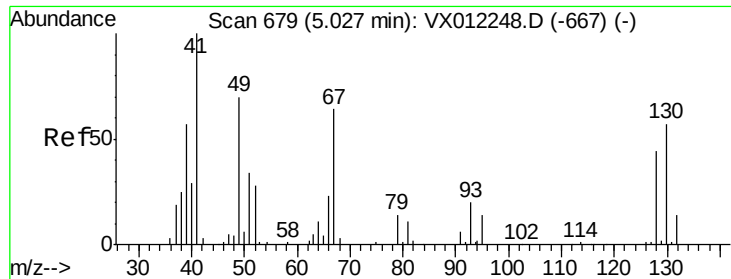
MMDadoda
9/12/2019 9:00:18 AM



#40
Benzene
Concen: 4.706 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.0	27.0





#41

Methacrylonitrile

Concen: 3.673 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 3207

Ion Ratio Lower Upper

41 100

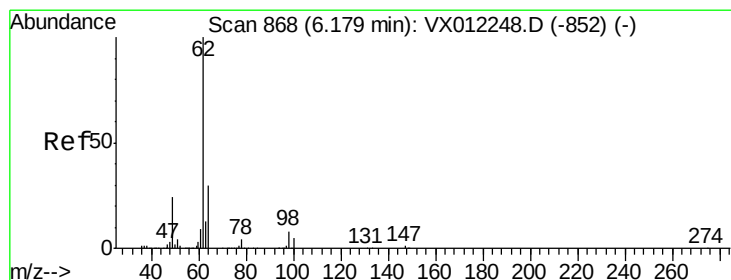
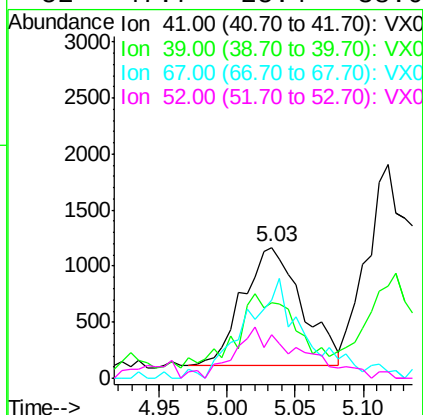
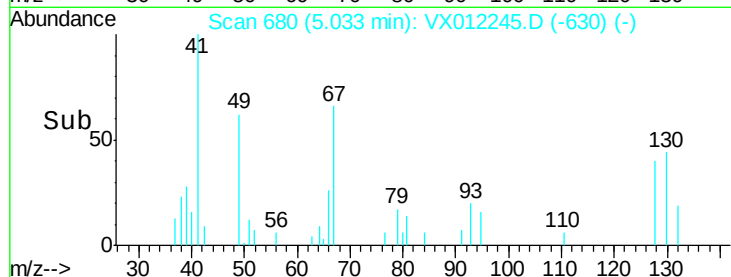
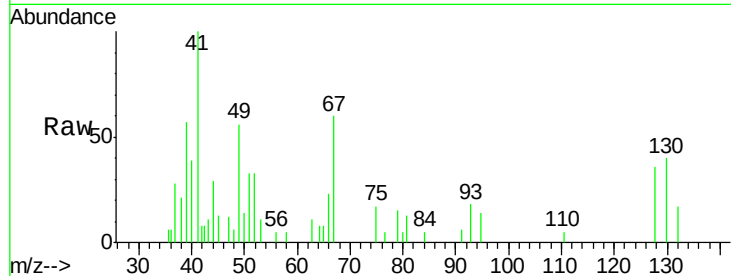
39 67.3 49.0 73.4

67 82.6 55.0 82.4#

52 47.7 25.4 38.0#

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#42

1,2-Dichloroethane

Concen: 4.558 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX012245.D

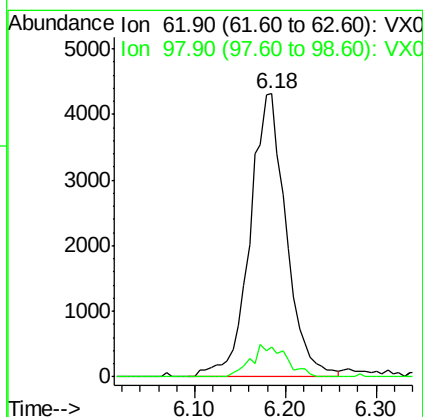
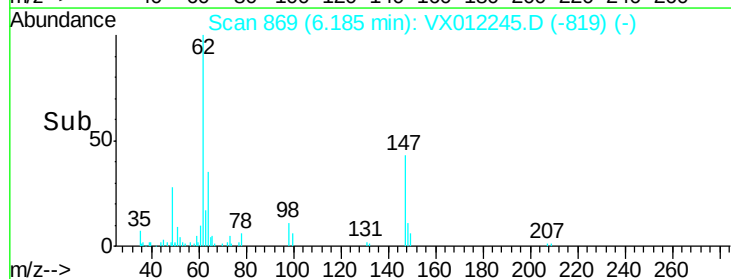
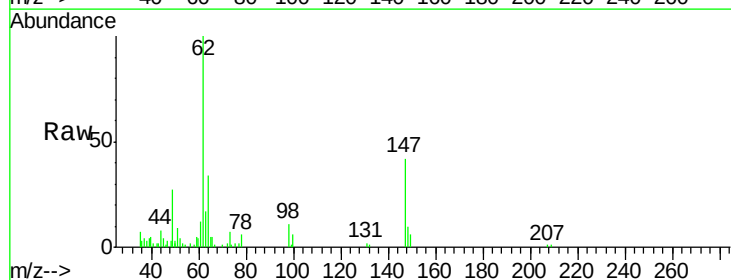
Acq: 10 Sep 2019 09:06

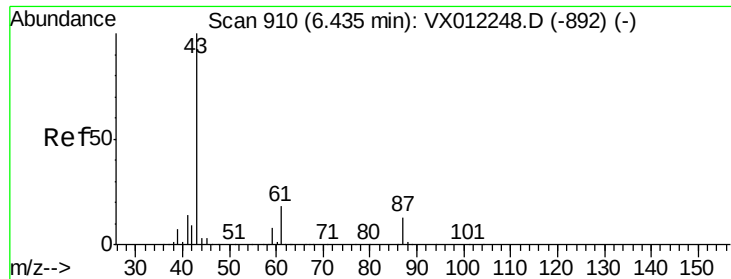
Tgt Ion: 62 Resp: 11969

Ion Ratio Lower Upper

62 100

98 11.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 4.104 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

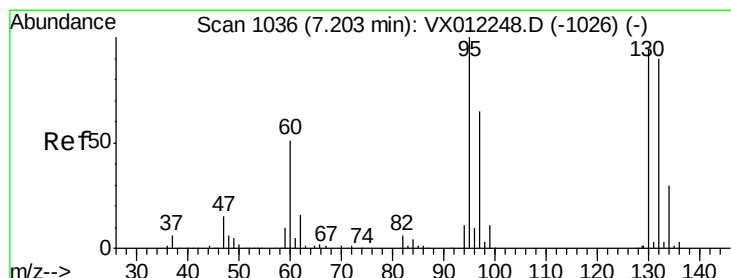
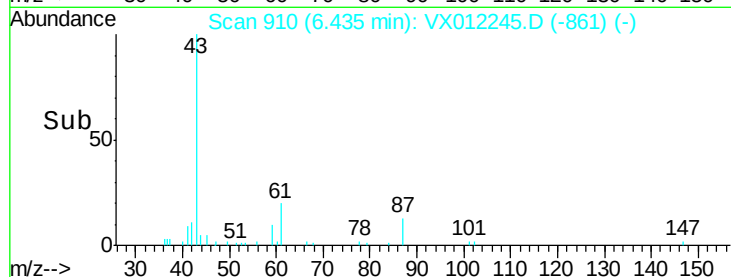
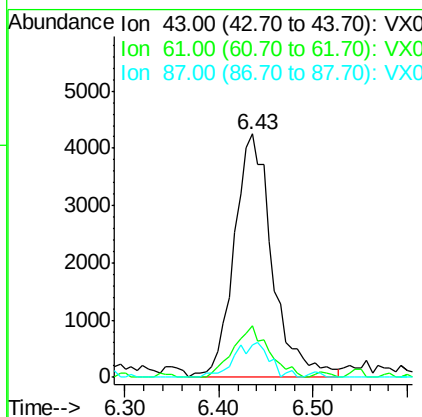
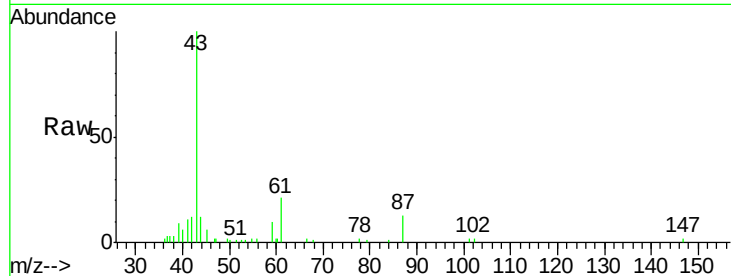
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	12020
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.2
87	12.9	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#44

Trichloroethene

Concen: 4.691 ug/l

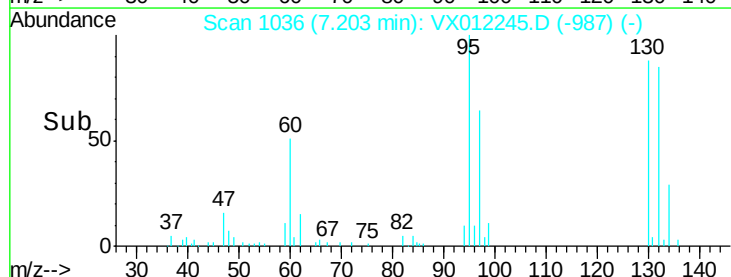
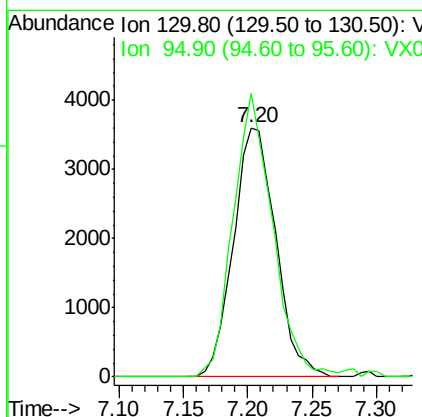
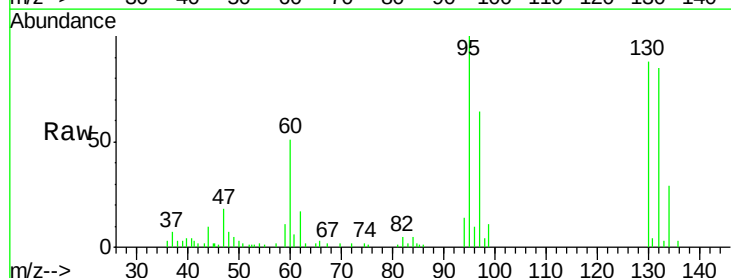
RT: 7.20 min Scan# 1036

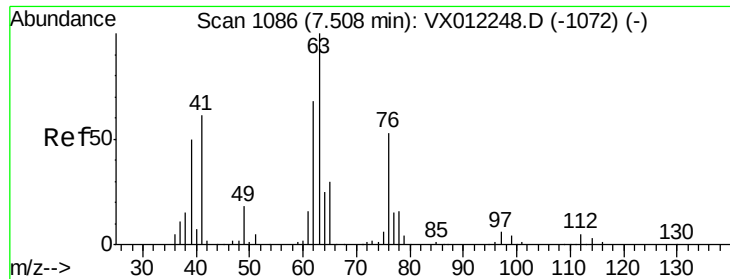
Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	130	Resp:	8220
Ion	Ratio	Lower	Upper
130	100		
95	113.5	0.0	212.0





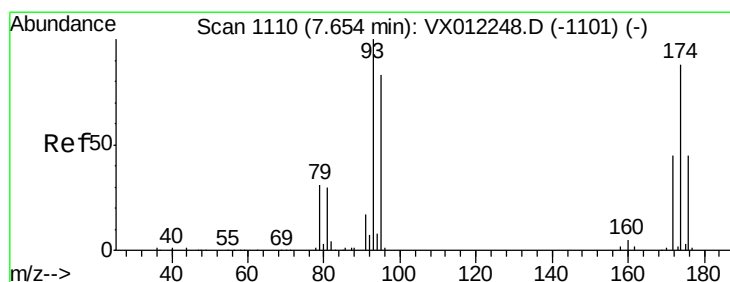
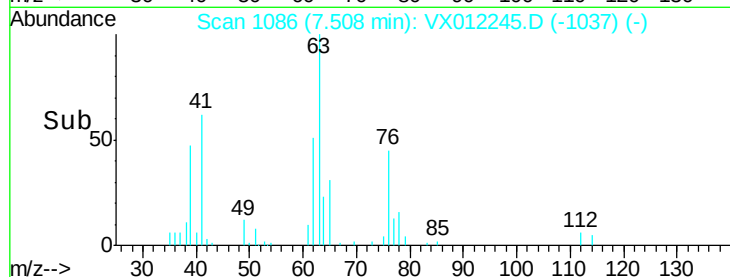
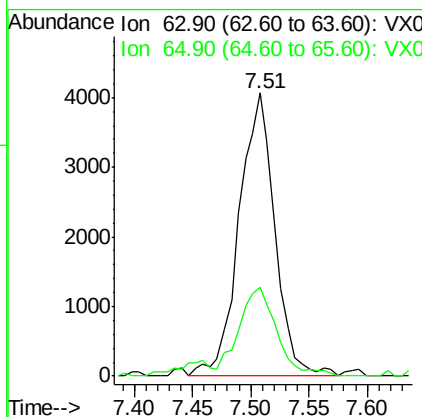
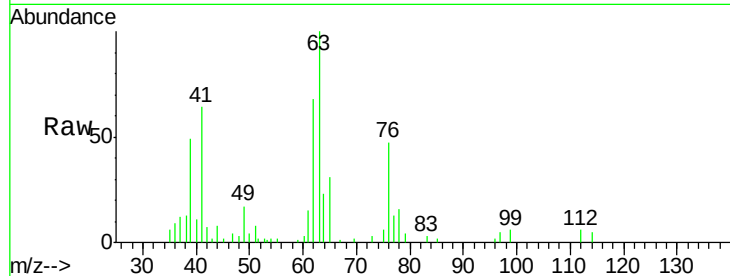
#45
 1,2-Dichloropropane
 Concen: 4.760 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 8729
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.3 36.5

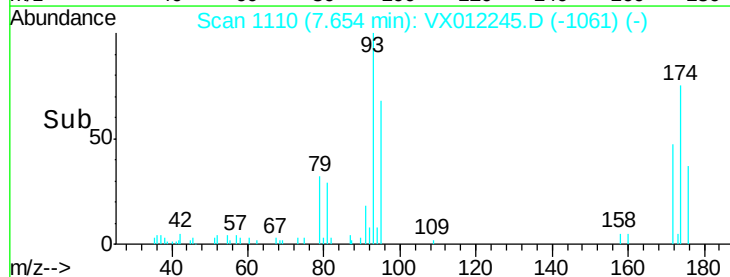
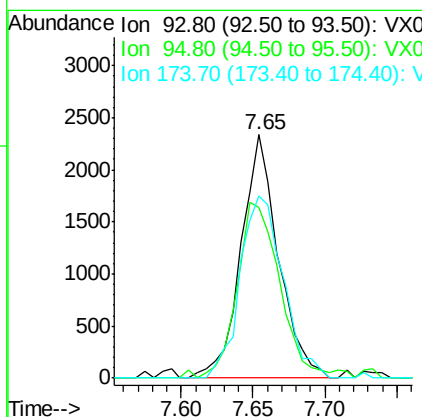
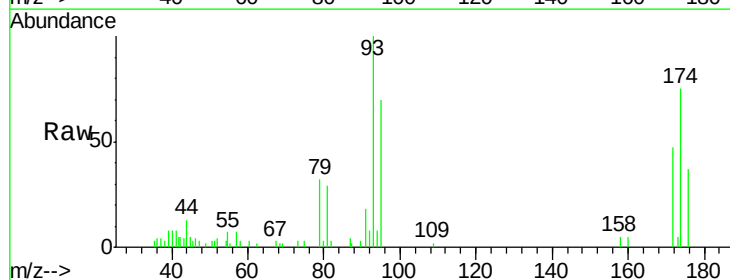
Manual Integrations
 APPROVED

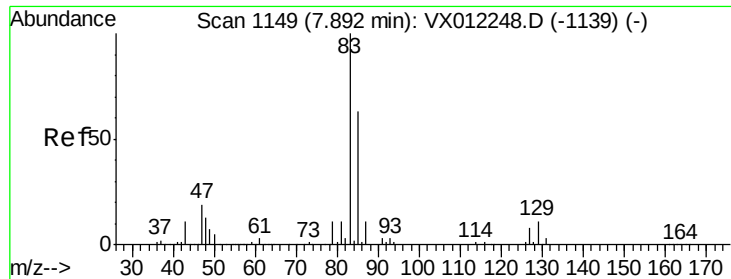
MMDadoda
 9/12/2019 9:00:18 AM



#46
 Dibromomethane
 Concen: 4.039 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 93 Resp: 4213
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.7 98.5
 174 85.6 71.0 106.4





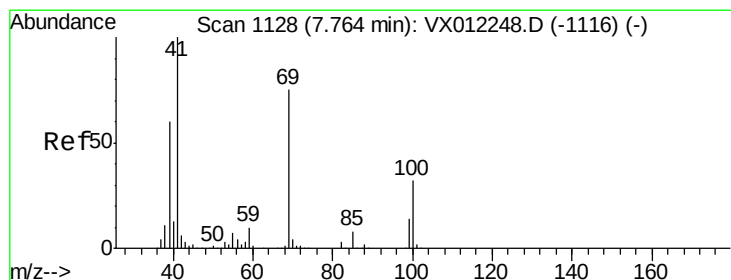
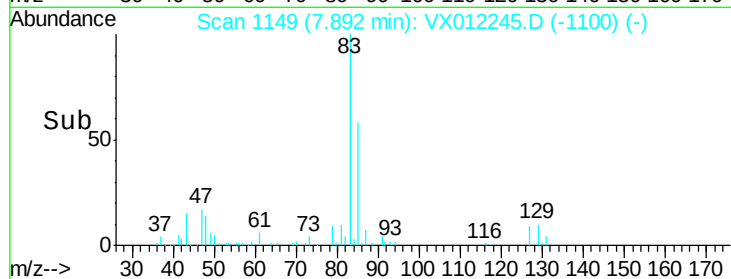
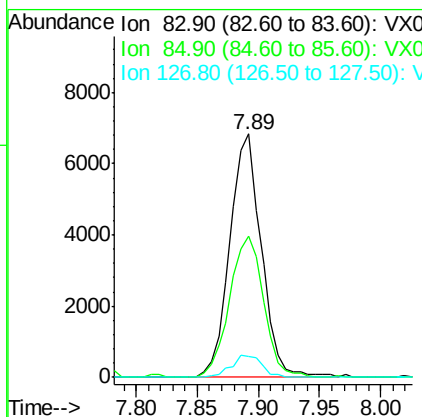
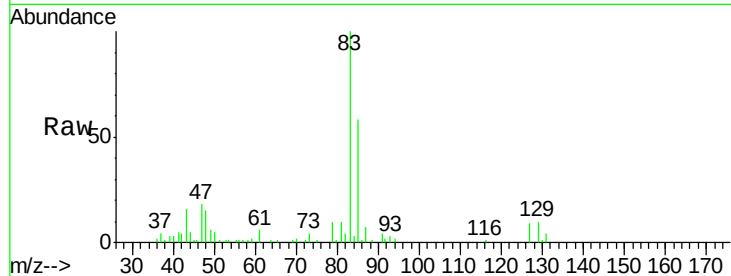
#47
 Bromodichloromethane
 Concen: 4.366 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	12190
Ion Ratio	Lower	Upper	
83	100		
85	58.1	50.2	75.4
127	8.6	6.3	9.5

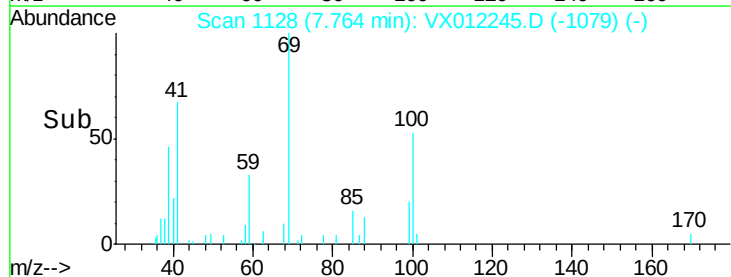
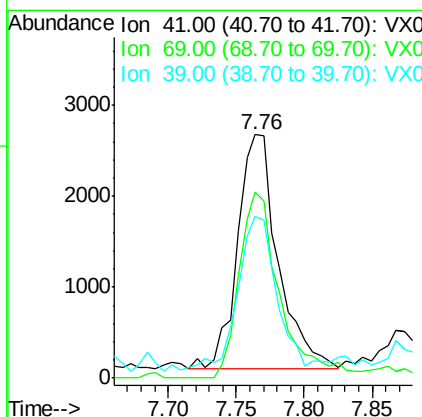
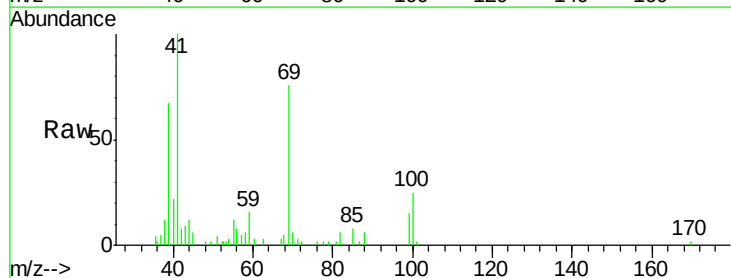
Manual Integrations
 APPROVED

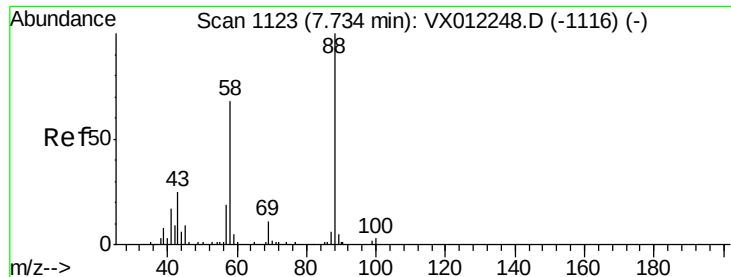
MMDadoda
 9/12/2019 9:00:18 AM



#48
 Methyl methacrylate
 Concen: 3.790 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion	41	Resp	5334
Ion Ratio	Lower	Upper	
41	100		
69	80.7	61.8	92.6
39	63.5	48.6	73.0





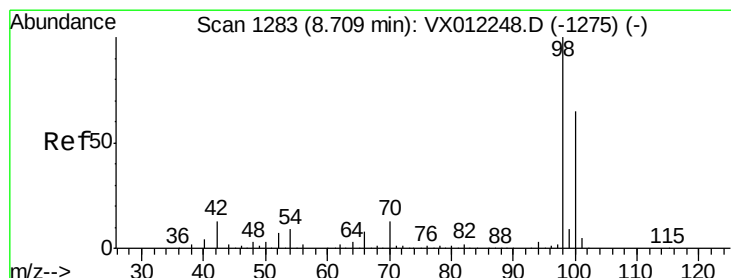
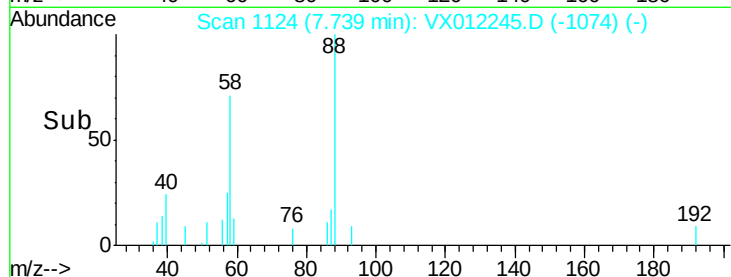
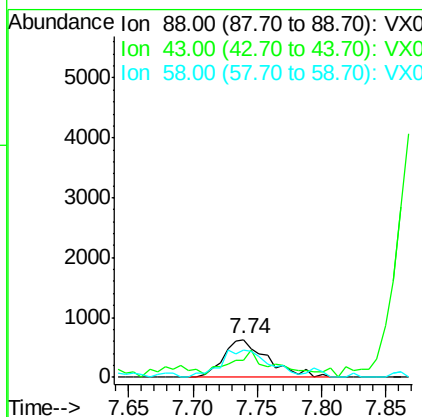
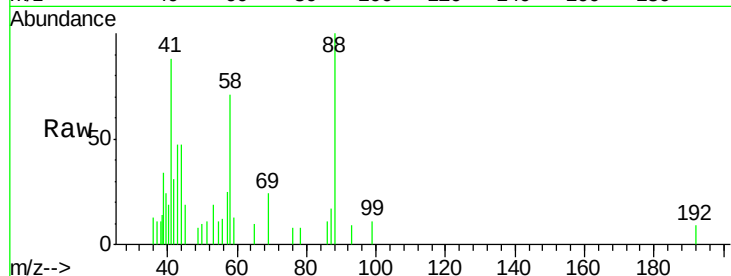
#49
1,4-Dioxane
Concen: 75.993 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	57.6	31.0	46.4#
58	80.4	61.5	92.3

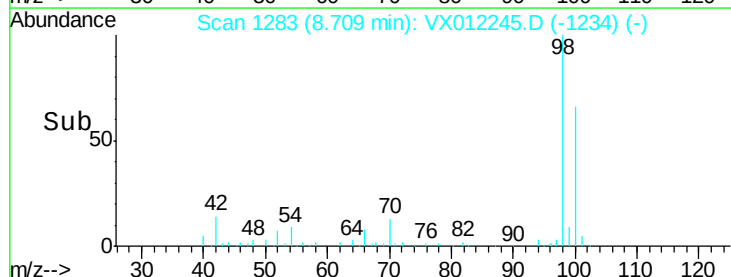
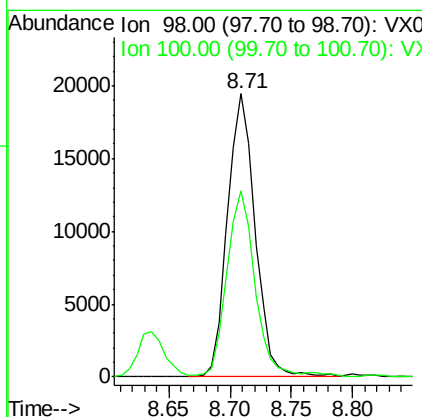
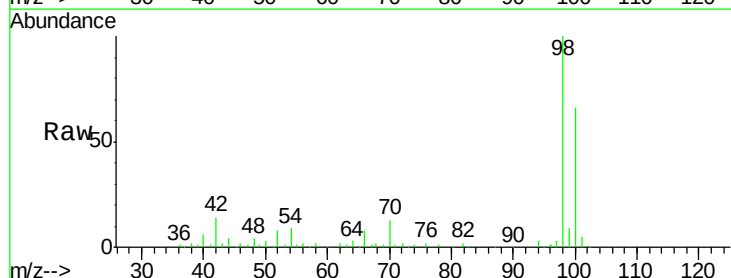
Manual Integrations
APPROVED

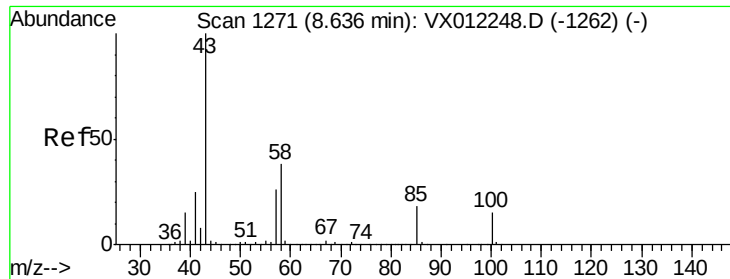
MMDadoda
9/12/2019 9:00:18 AM



#50
Toluene-d8
Concen: 4.677 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 21.035 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 32051

Ion Ratio Lower Upper

43 100

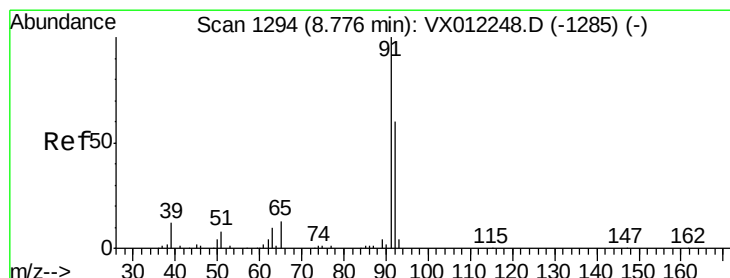
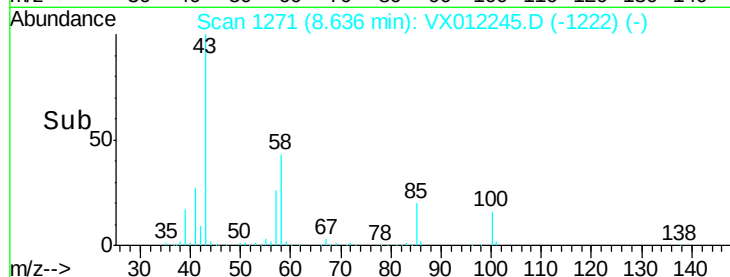
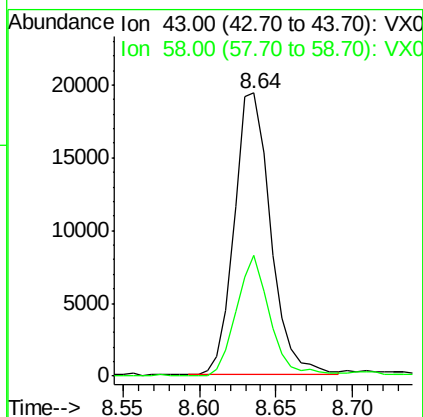
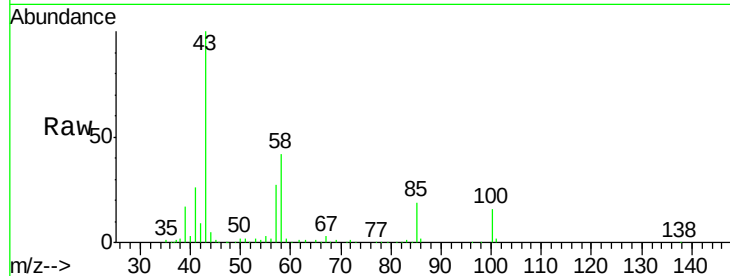
58 39.9 30.1 45.1

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM



#52

Toluene

Concen: 4.606 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012245.D

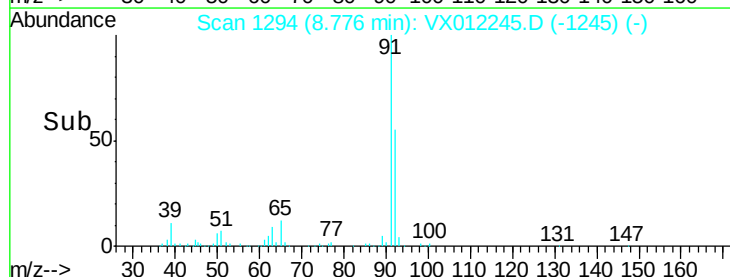
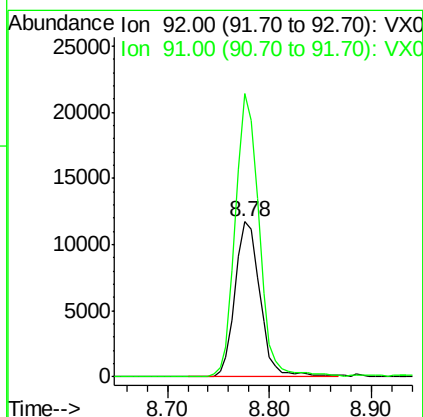
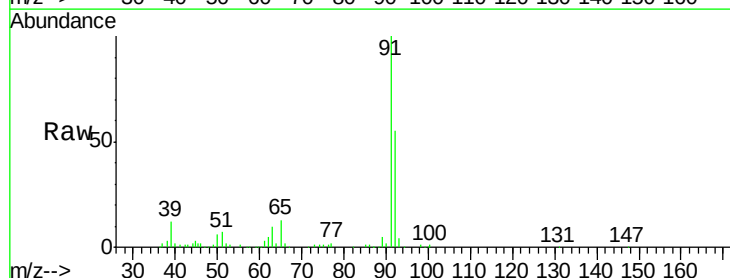
Acq: 10 Sep 2019 09:06

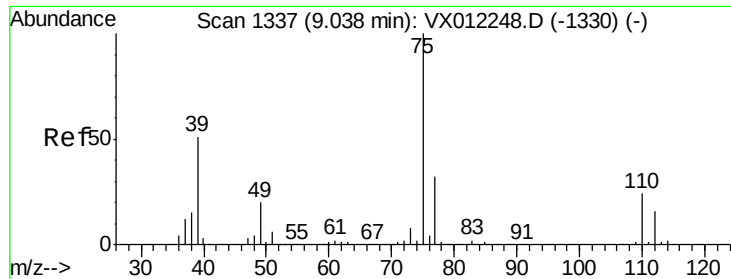
Tgt Ion: 92 Resp: 19876

Ion Ratio Lower Upper

92 100

91 173.6 133.6 200.4





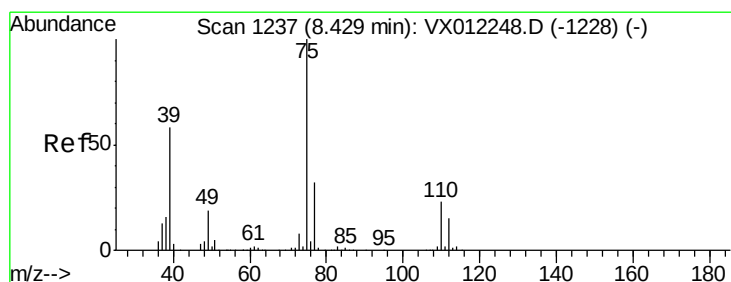
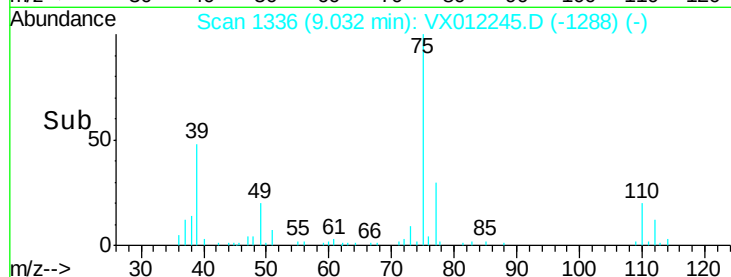
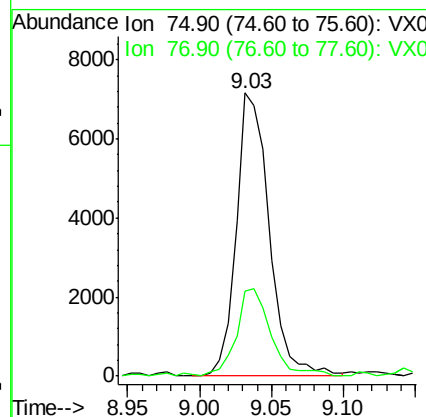
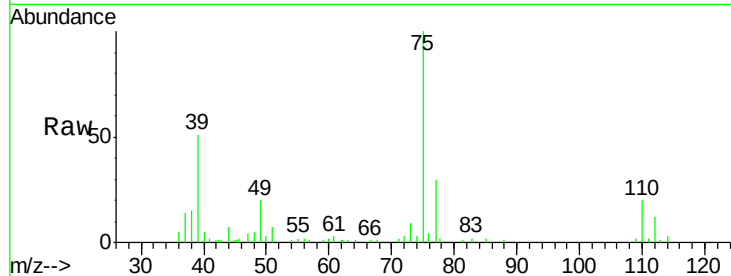
#53
 t-1,3-Dichloropropene
 Concen: 4.112 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 11446
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.6

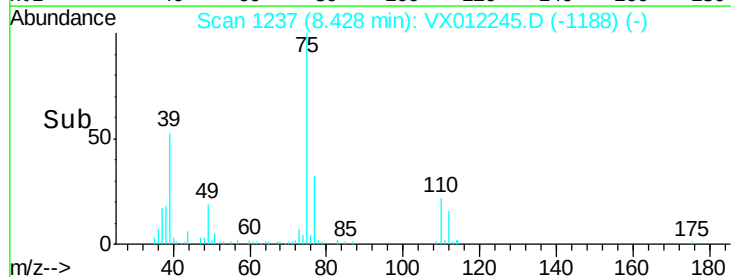
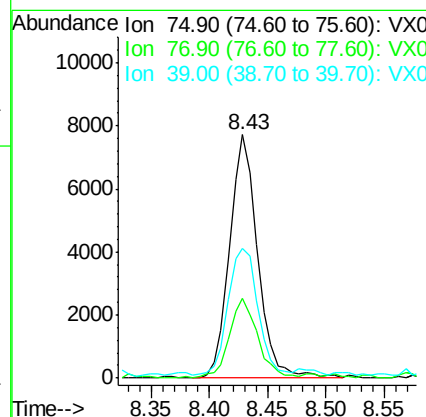
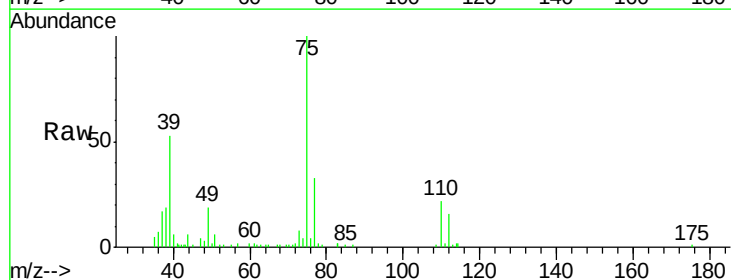
Manual Integrations
 APPROVED

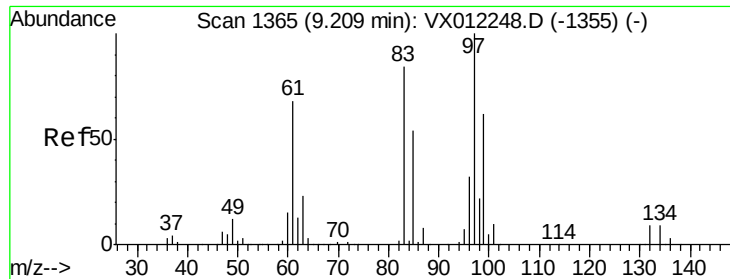
MMDadoda
 9/12/2019 9:00:18 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.255 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion: 75 Resp: 12920
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2
 39 52.3 46.5 69.7





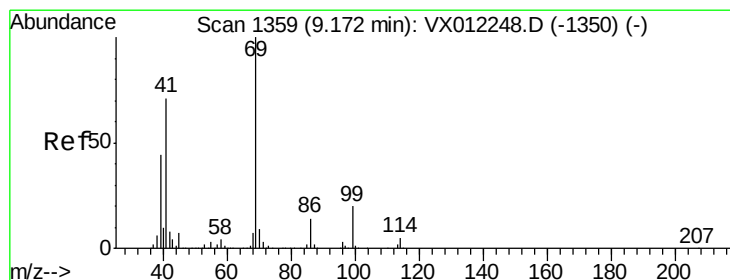
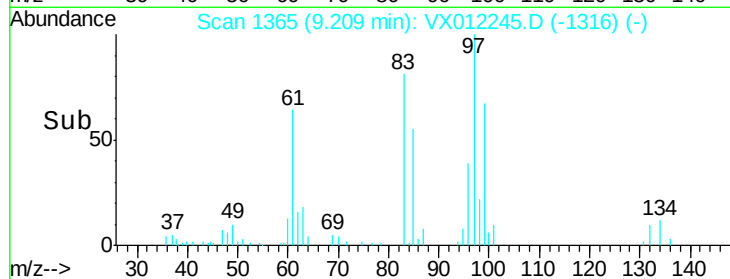
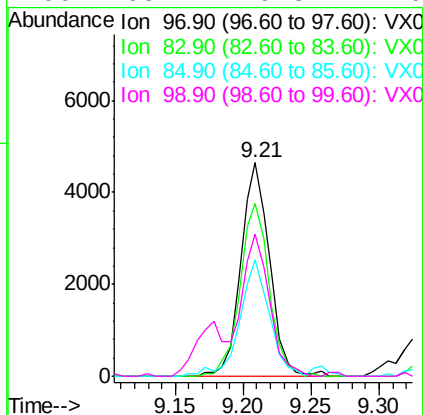
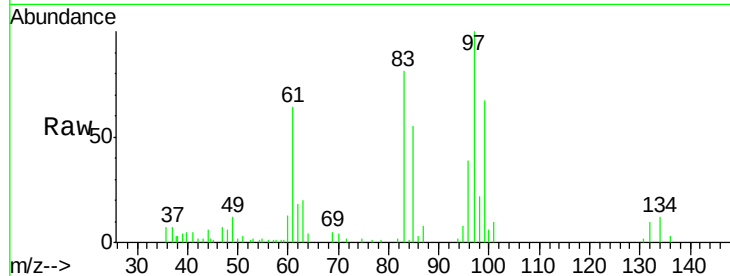
#55
 1,1,2-Trichloroethane
 Concen: 4.309 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6821
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.4	101.2
85	53.4	43.4	65.2
99	65.2	49.8	74.6

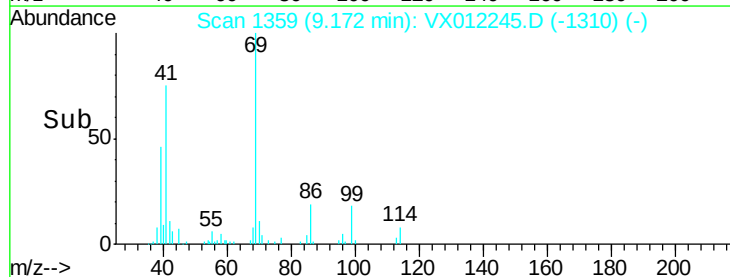
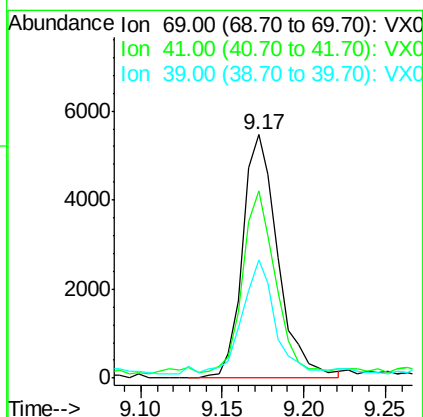
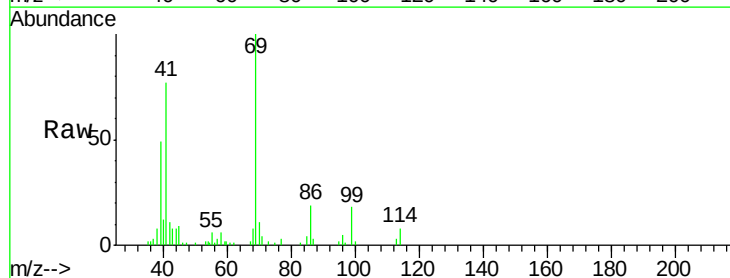
Manual Integrations
 APPROVED

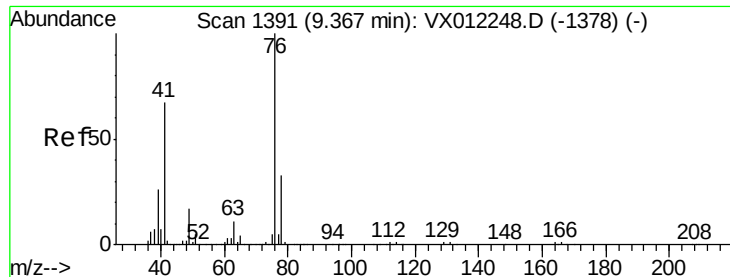
MMDadoda
 9/12/2019 9:00:18 AM



#56
 Ethyl methacrylate
 Concen: 3.736 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion:	69	Resp:	8269
Ion	Ratio	Lower	Upper
69	100		
41	68.5	57.7	86.5
39	41.3	34.0	51.0





#57

1,3-Dichloropropane

Concen: 4.232 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 11452

Ion Ratio Lower Upper

76 100

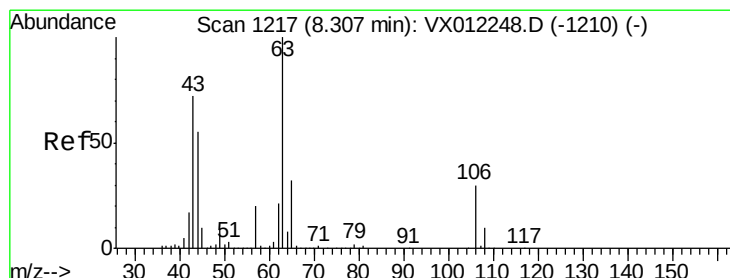
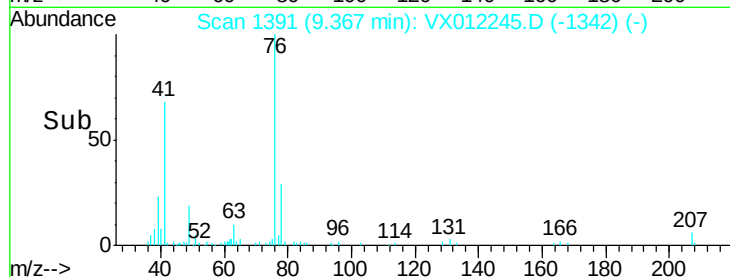
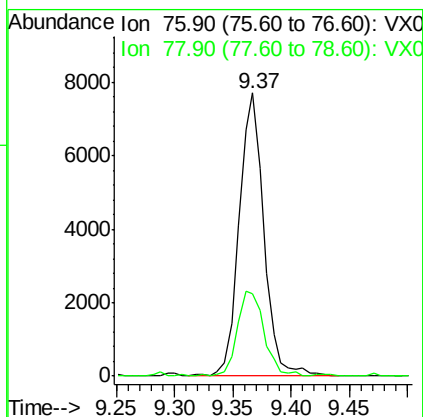
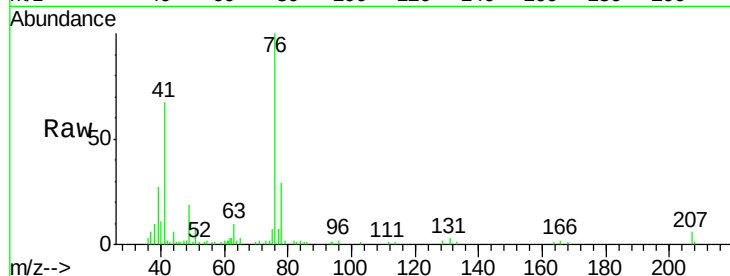
78 32.6 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM



#58

2-Chloroethyl Vinyl ether

Concen: 21.906 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012245.D

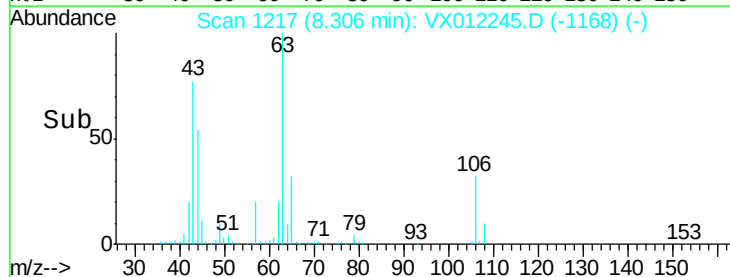
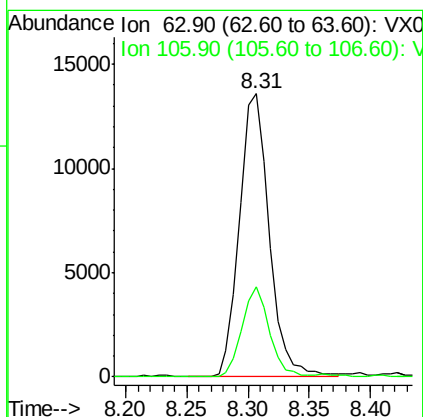
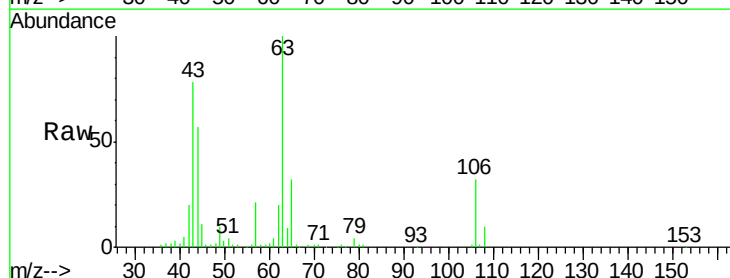
Acq: 10 Sep 2019 09:06

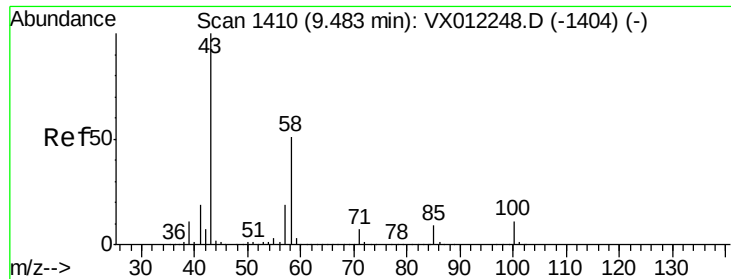
Tgt Ion: 63 Resp: 23022

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





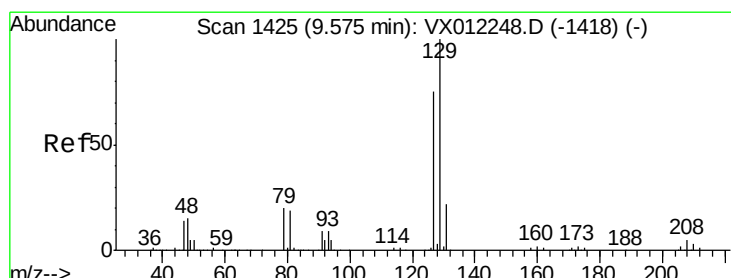
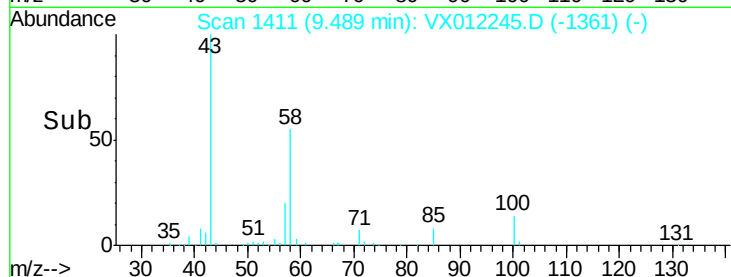
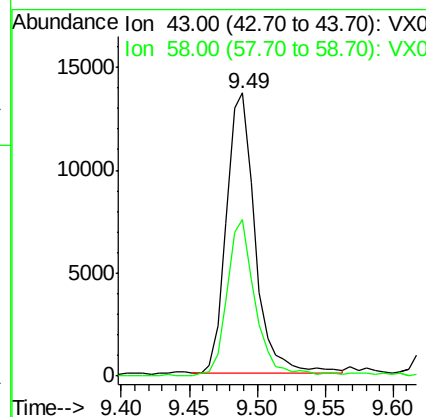
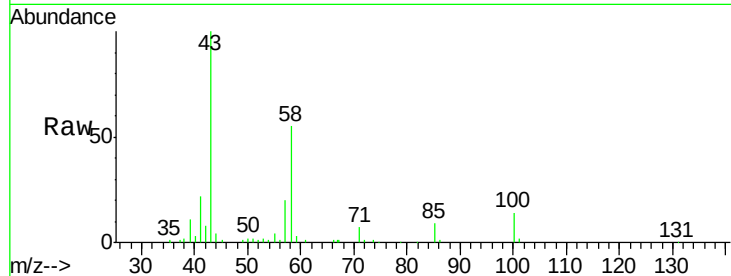
#59
2-Hexanone
Concen: 18.365 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	19881
Ion Ratio	100	Lower	Upper
58	55.0	25.8	77.3

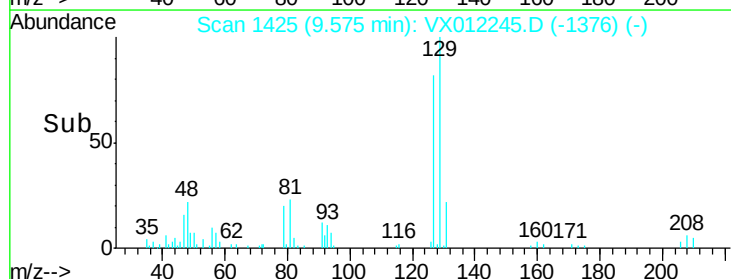
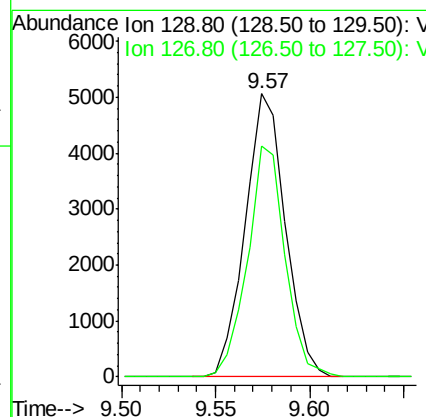
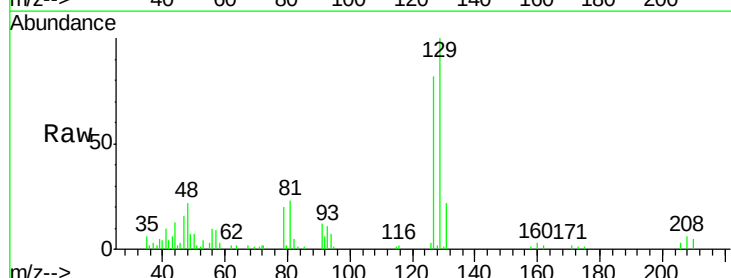
Manual Integrations
APPROVED

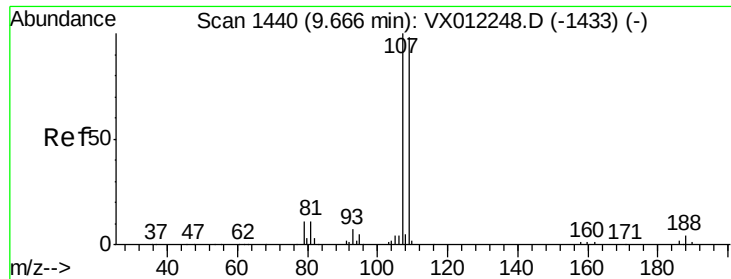
MMDadoda
9/12/2019 9:00:18 AM



#60
Dibromochloromethane
Concen: 3.979 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	129	Resp	7472
Ion Ratio	100	Lower	Upper
127	76.5	38.1	114.3





#61

1,2-Dibromoethane

Concen: 4.274 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 6308

Ion Ratio Lower Upper

107 100

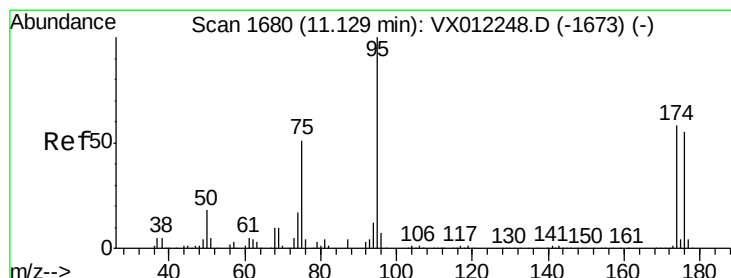
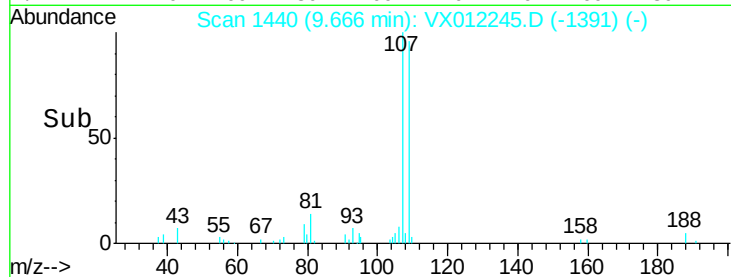
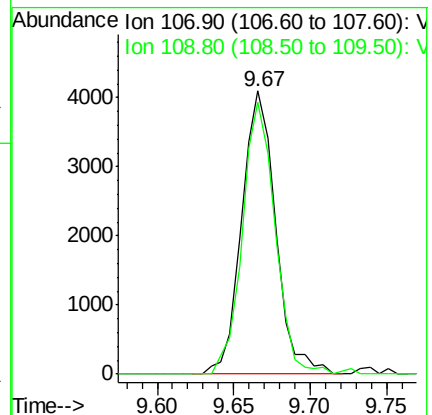
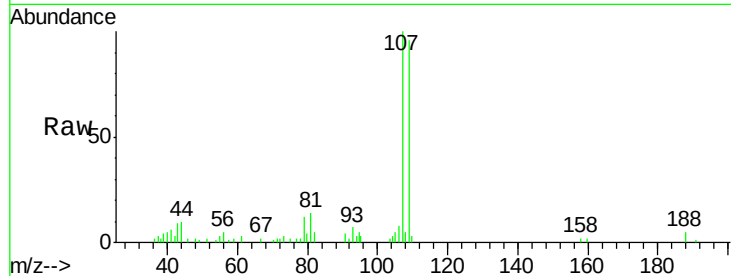
109 92.4 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:18 AM



#62

4-Bromofluorobenzene

Concen: 4.532 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

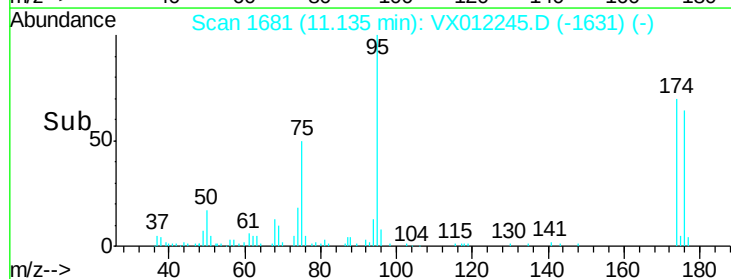
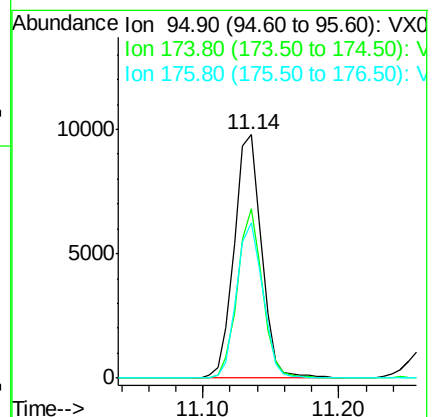
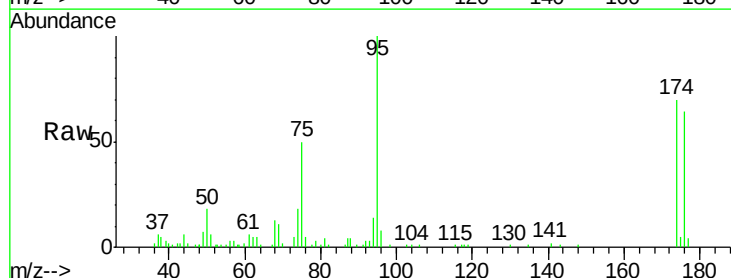
Tgt Ion: 95 Resp: 13723

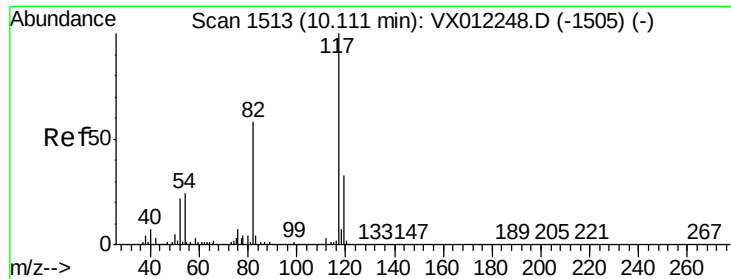
Ion Ratio Lower Upper

95 100

174 63.5 0.0 127.0

176 61.1 0.0 125.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

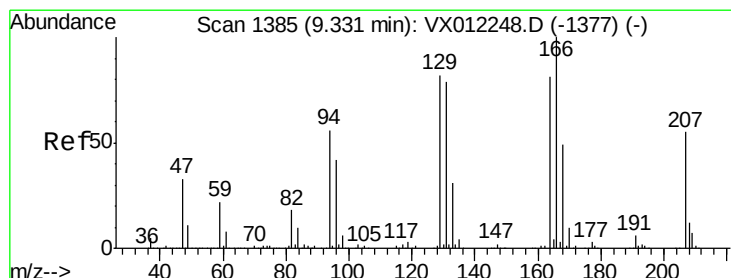
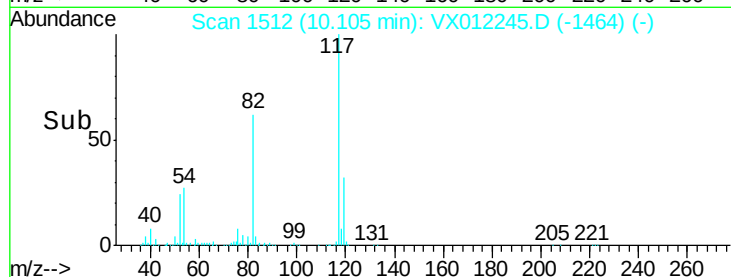
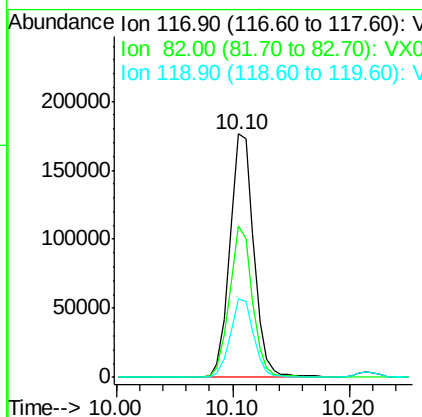
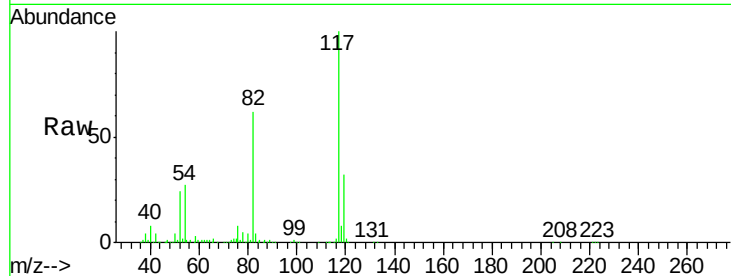
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	253370
Ion Ratio	Lower	Upper	
117	100		
82	62.0	46.4	69.6
119	32.2	26.6	39.8

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#64

Tetrachloroethene

Concen: 5.071 ug/l

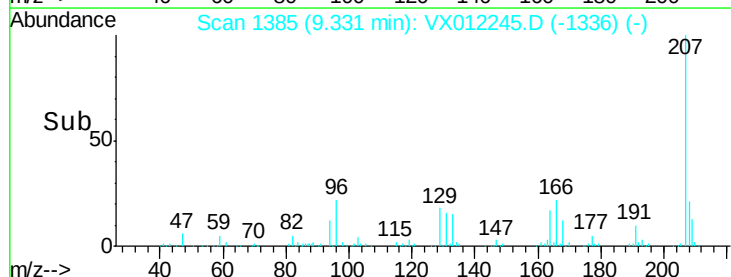
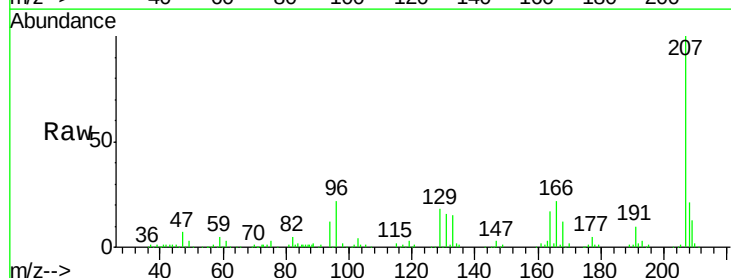
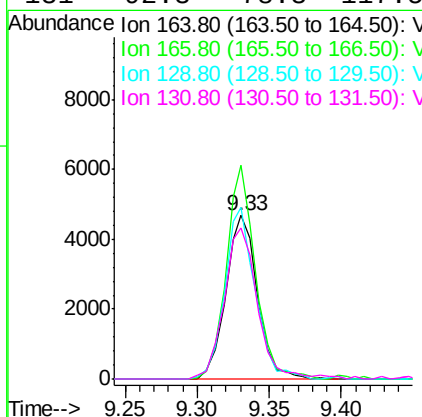
RT: 9.33 min Scan# 1385

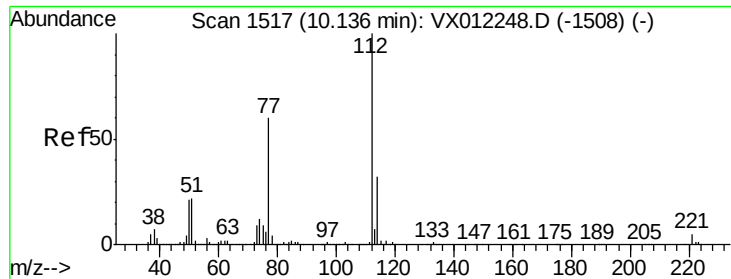
Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	164	Resp:	7170
Ion Ratio	Lower	Upper	
164	100		
166	130.4	99.4	149.0
129	104.8	81.8	122.8
131	92.3	78.3	117.5





#65

Chlorobenzene

Concen: 4.605 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 23363

Ion Ratio Lower Upper

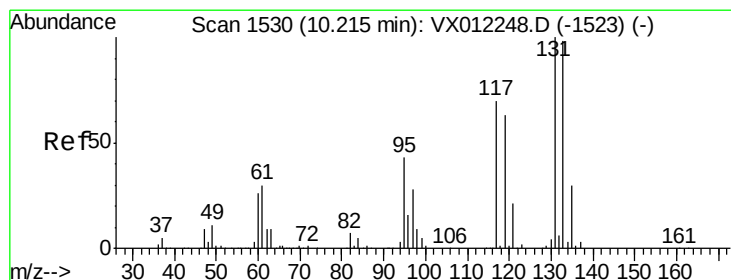
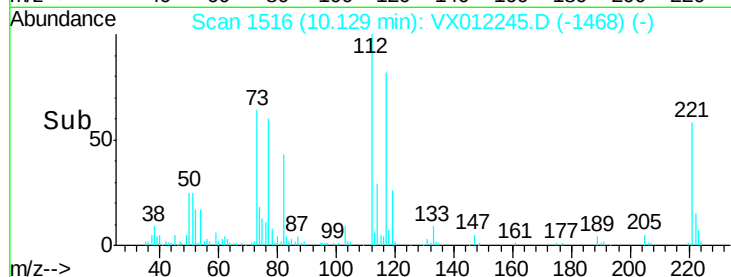
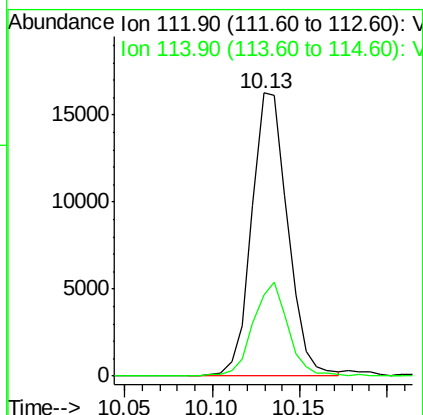
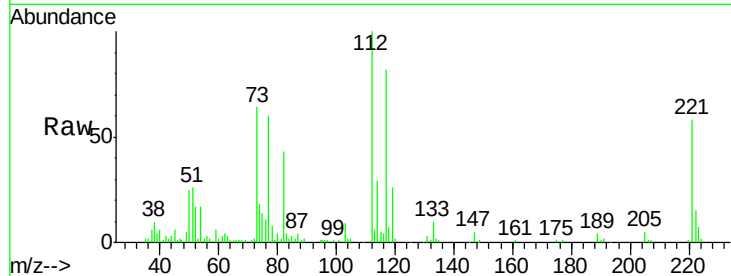
112 100

114 28.7 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

9/12/2019 9:00:18 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 4.118 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

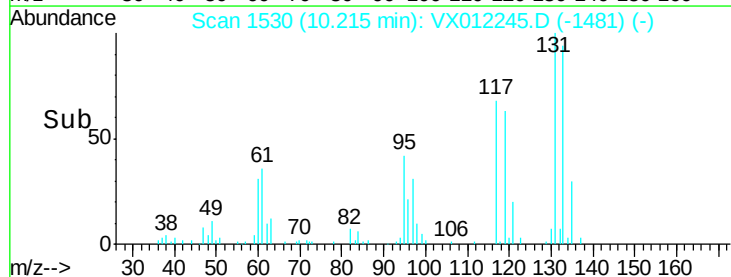
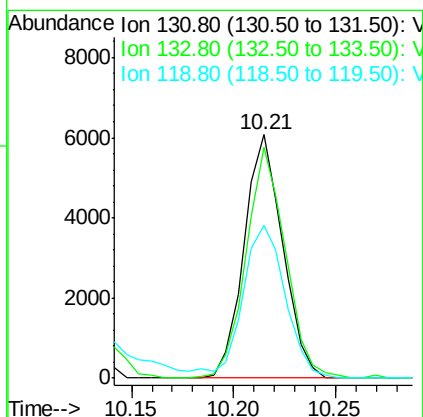
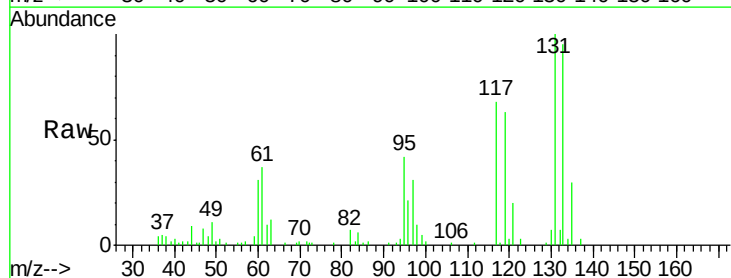
Tgt Ion:131 Resp: 8000

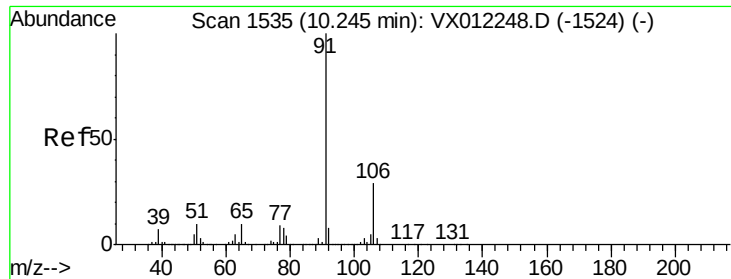
Ion Ratio Lower Upper

131 100

133 96.9 48.0 144.2

119 69.4 31.6 95.0





#67

Ethyl Benzene

Concen: 4.604 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 40978

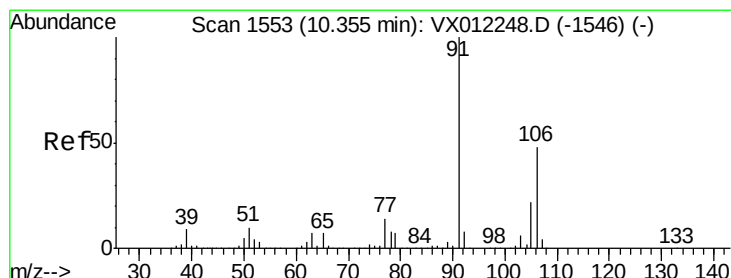
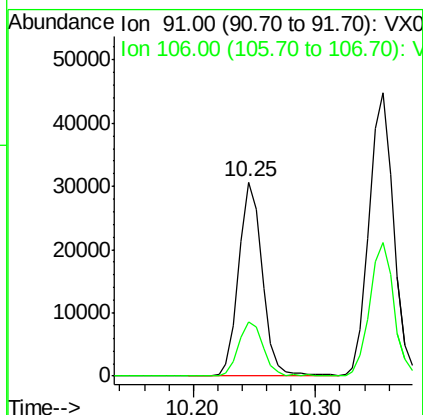
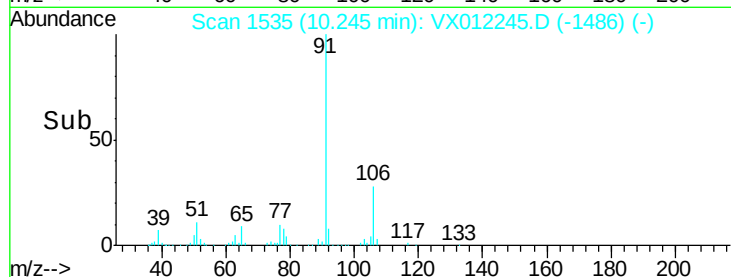
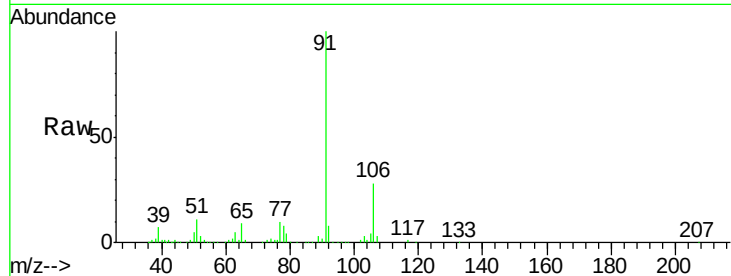
Ion Ratio Lower Upper

91 100

106 28.2 23.1 34.7

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#68

m/p-Xylenes

Concen: 8.990 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012245.D

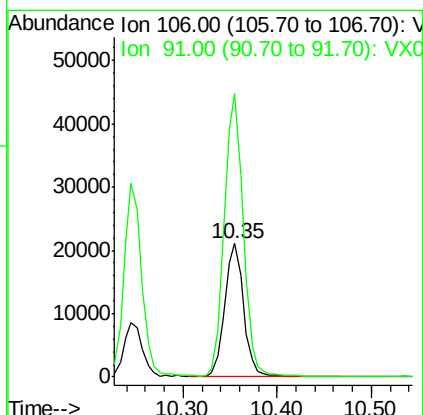
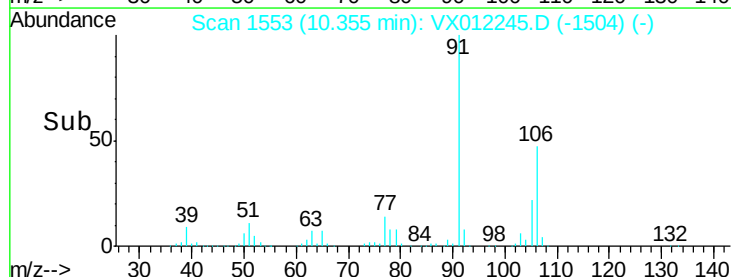
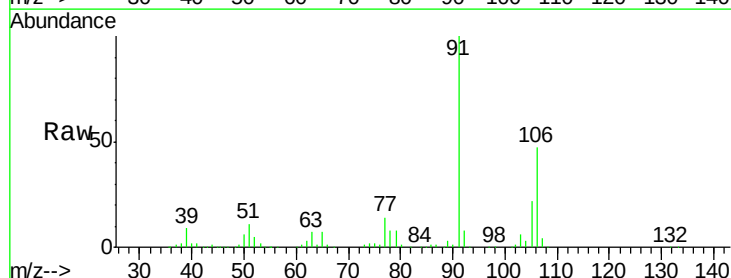
Acq: 10 Sep 2019 09:06

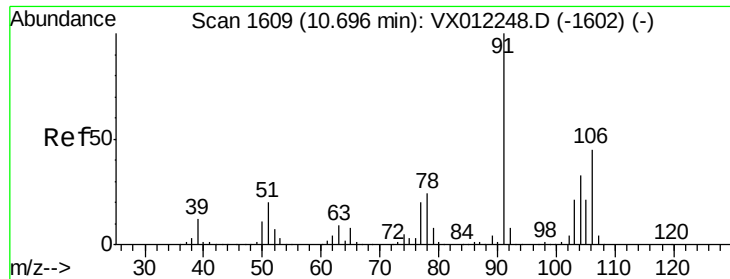
Tgt Ion: 106 Resp: 29509

Ion Ratio Lower Upper

106 100

91 213.2 167.0 250.6





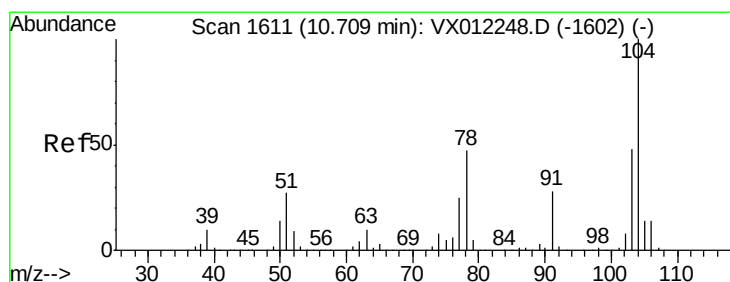
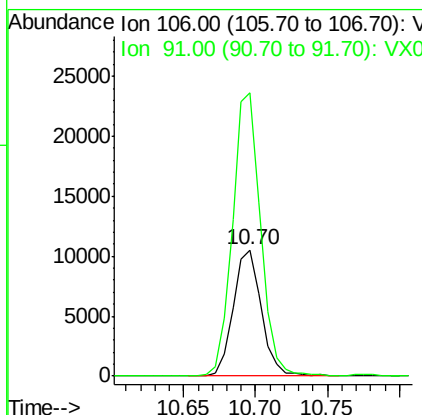
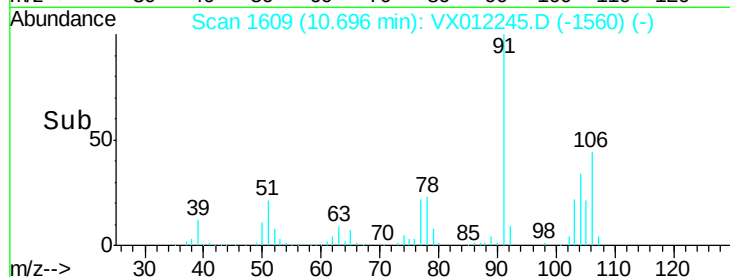
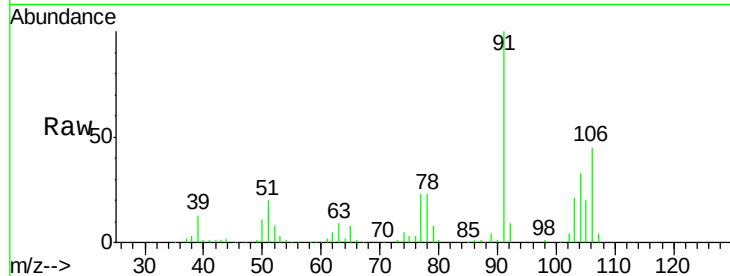
#69
o-Xylene
Concen: 4.512 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 14450
Ion Ratio Lower Upper
106 100
91 223.5 110.5 331.4

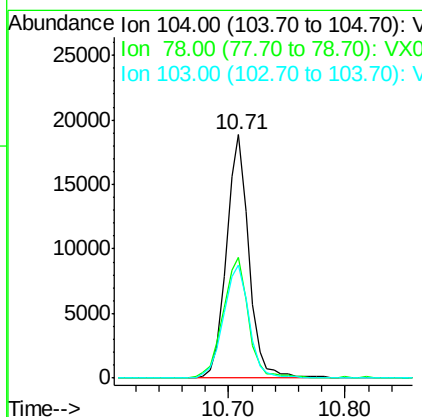
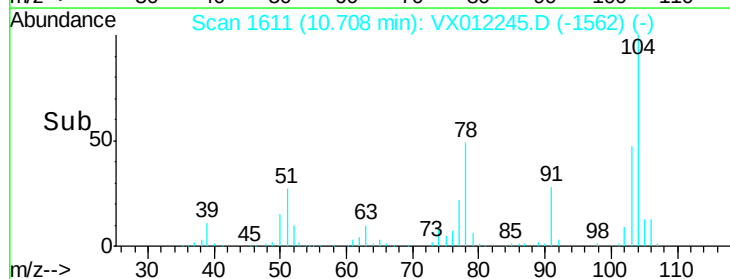
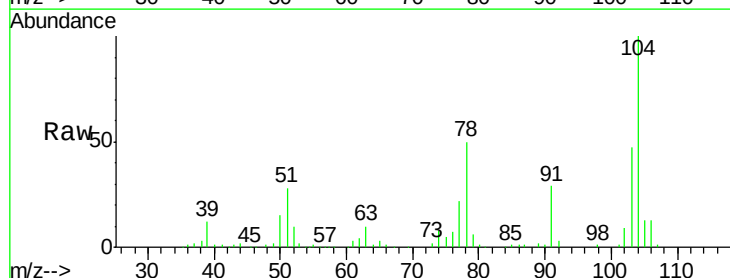
Manual Integrations
APPROVED

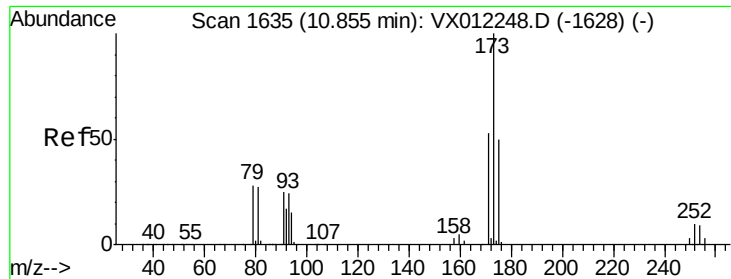
MMDadoda
9/12/2019 9:00:18 AM



#70
Styrene
Concen: 4.375 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion:104 Resp: 25196
Ion Ratio Lower Upper
104 100
78 55.9 44.2 66.2
103 52.4 42.5 63.7





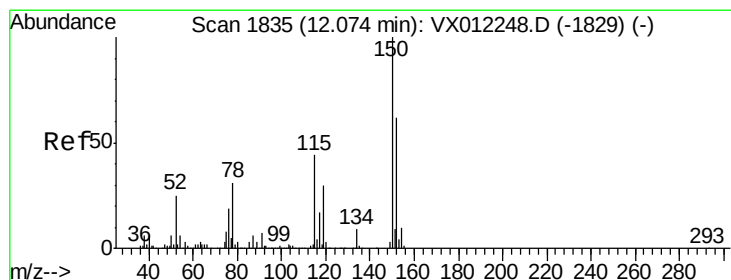
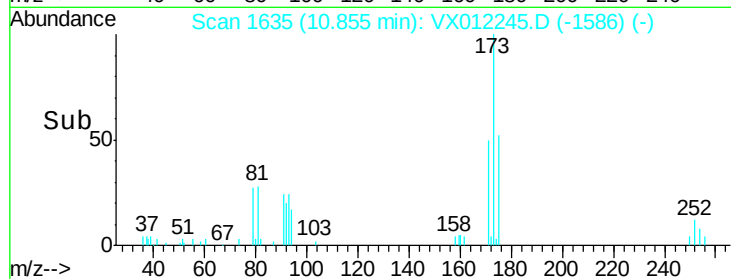
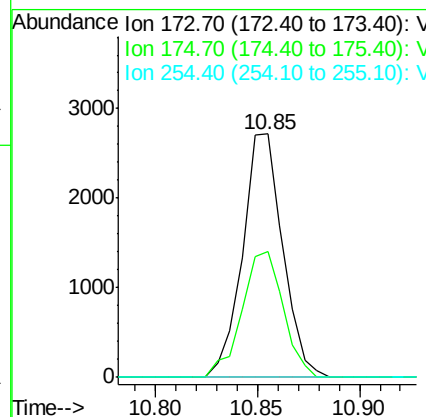
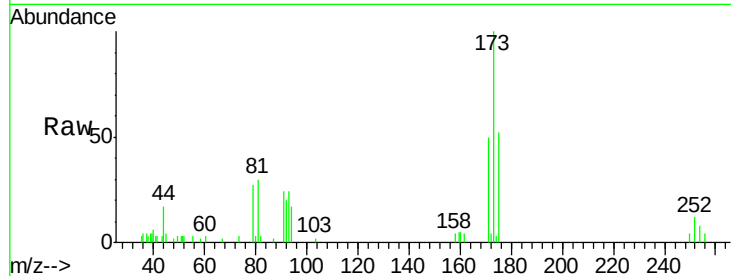
#71
Bromoform
Concen: 3.669 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.9	24.5	73.5
254	0.0	0.2	0.4

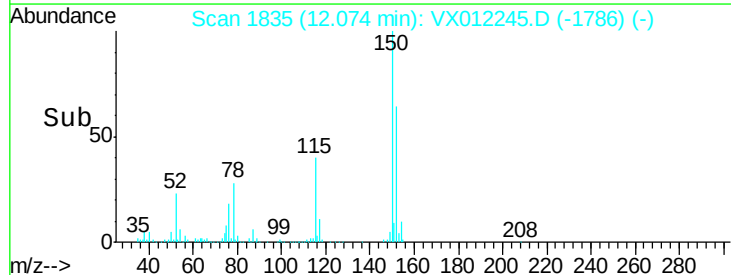
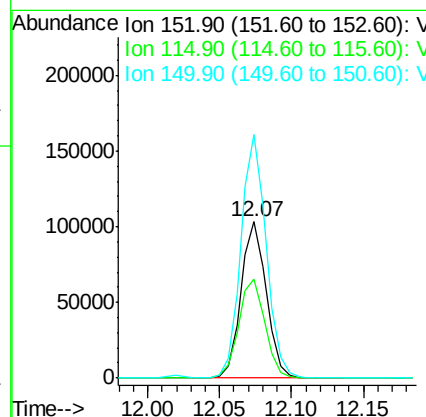
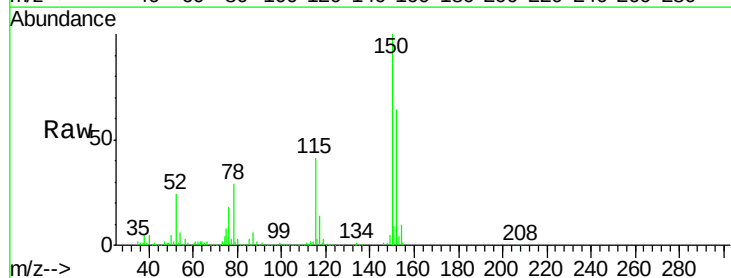
Manual Integrations
APPROVED

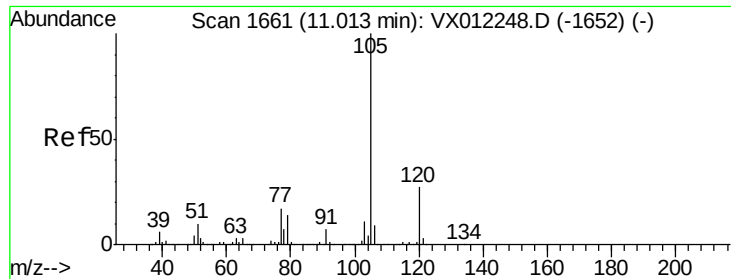
MMDadoda
9/12/2019 9:00:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.6	45.5	136.4
150	156.3	0.0	346.4





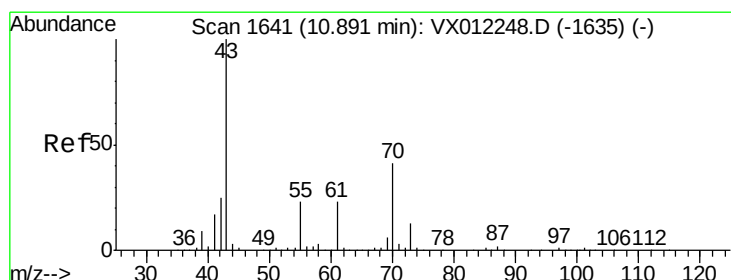
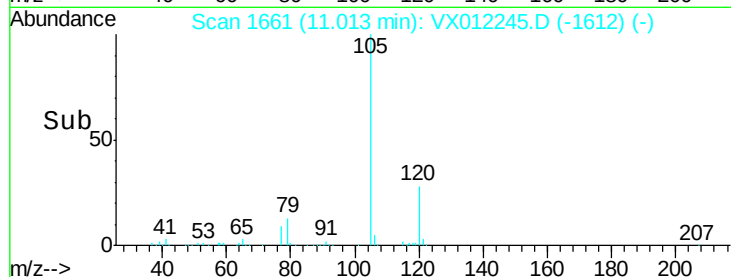
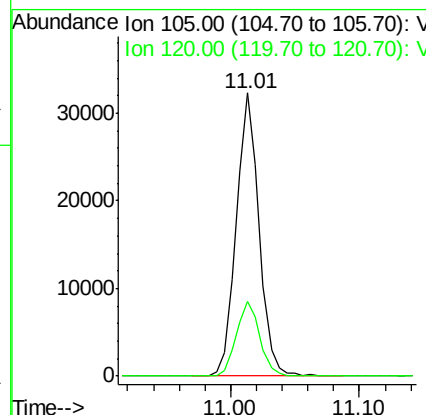
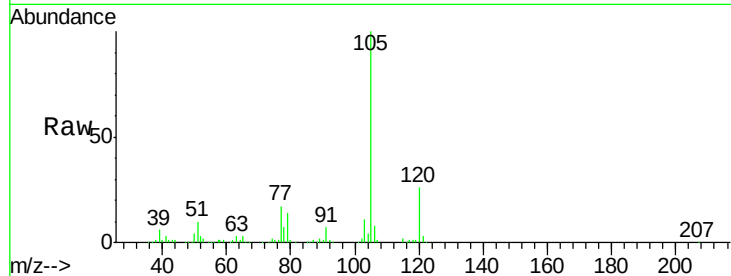
#73
Isopropylbenzene
Concen: 4.444 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5

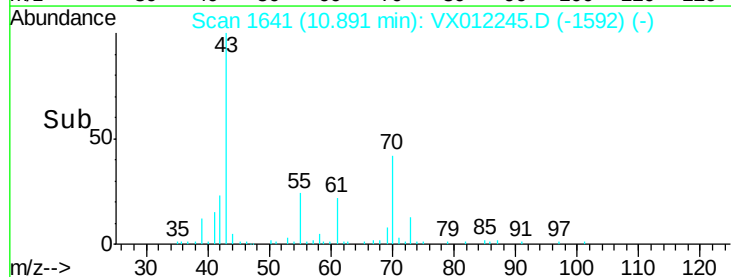
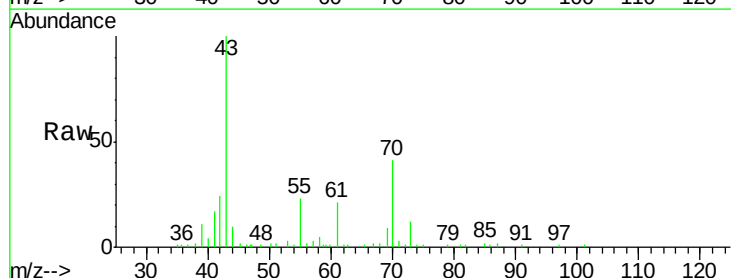
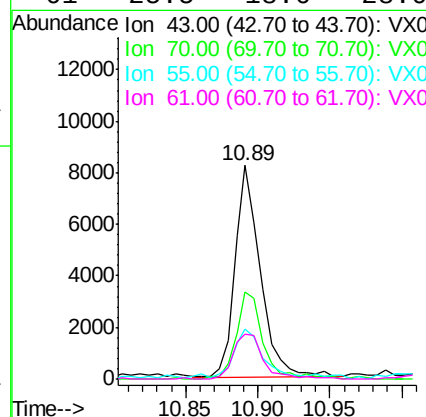
Manual Integrations
APPROVED

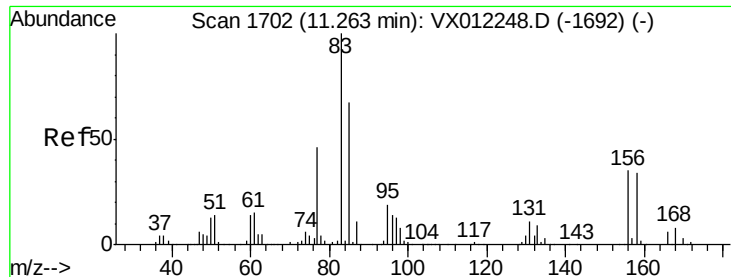
MMDadoda
9/12/2019 9:00:18 AM



#74
N-ethyl acetate
Concen: 3.559 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	32.9	49.3
55	25.3	19.1	28.7
61	25.5	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 3.828 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

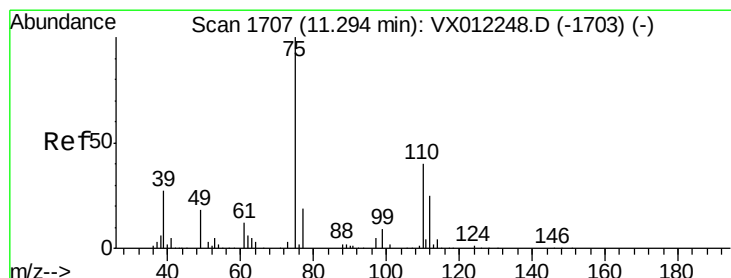
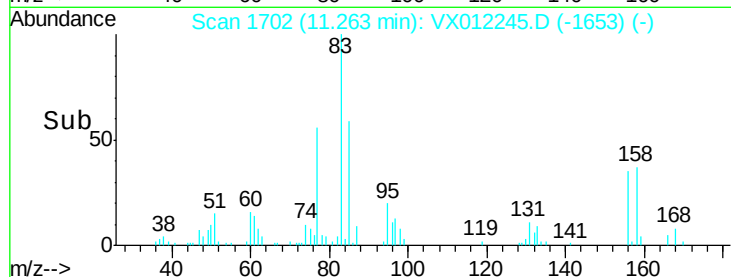
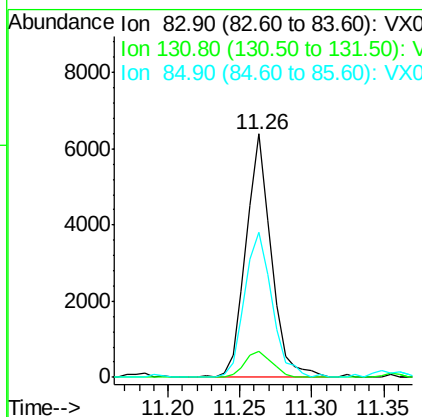
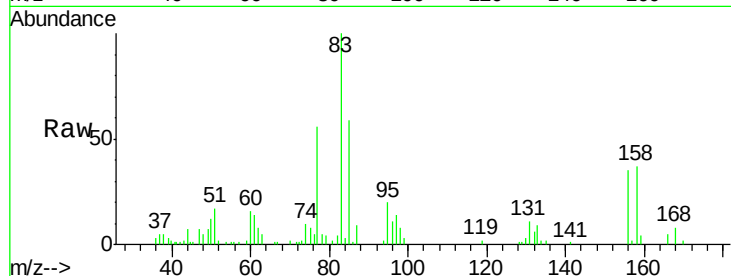
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7768
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.5	16.4
85	65.1	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#76

1,2,3-Trichloropropane

Concen: 3.983 ug/l m

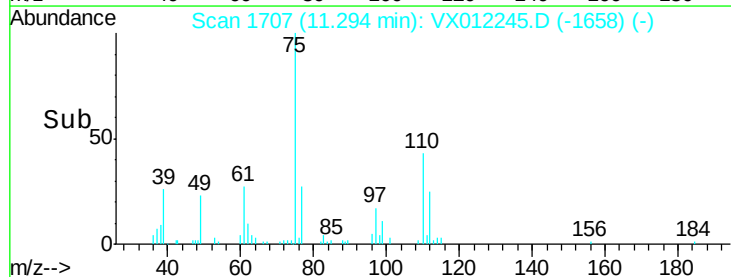
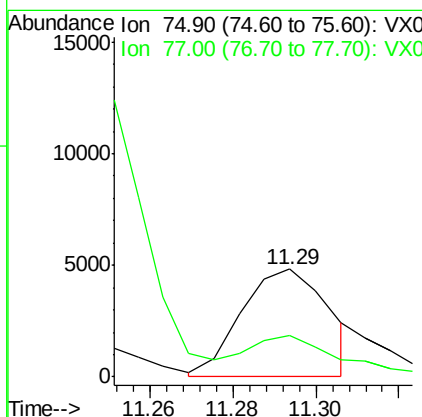
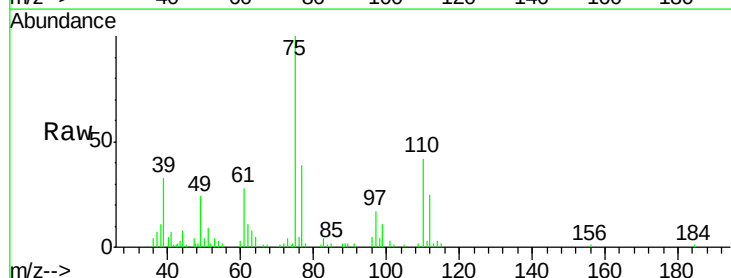
RT: 11.29 min Scan# 1707

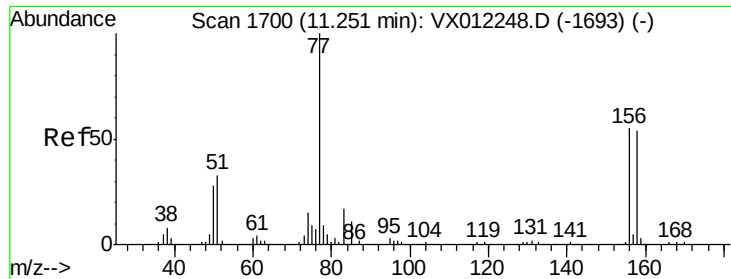
Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	75	Resp:	7011
Ion	Ratio	Lower	Upper
75	100		
77	40.4	19.7	59.0





#77

Bromobenzene

Concen: 4.090 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

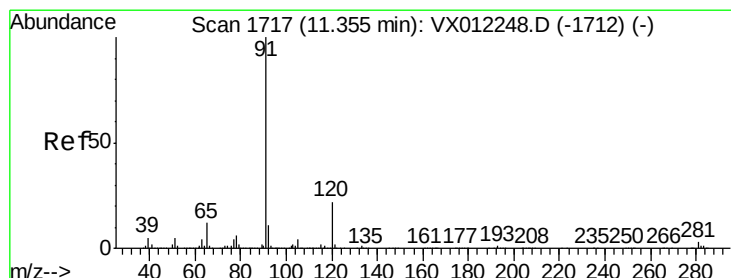
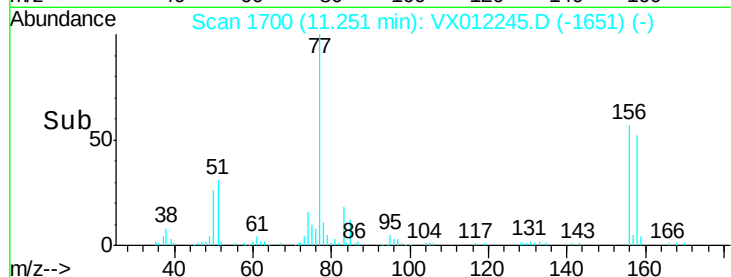
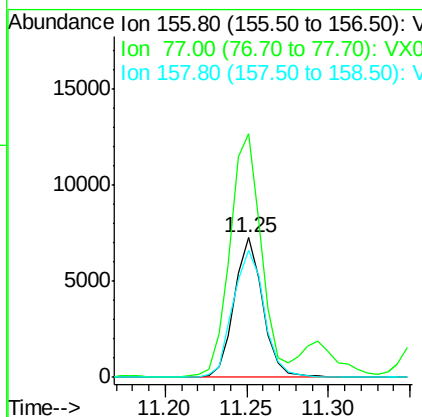
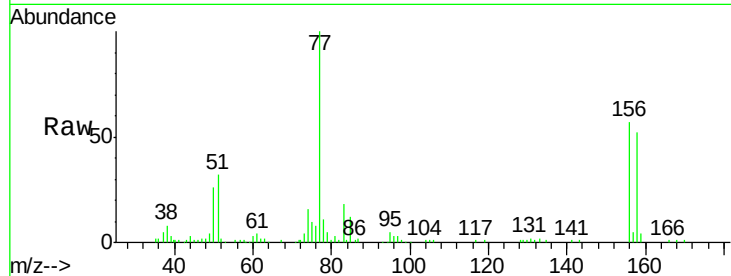
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	8827
Ion	Ratio	Lower	Upper
156	100		
77	193.0	92.2	276.6
158	100.1	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#78

n-propylbenzene

Concen: 4.450 ug/l

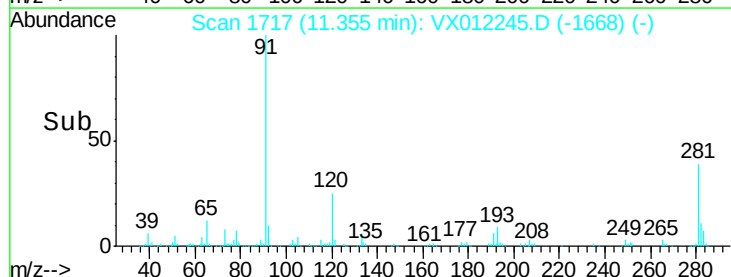
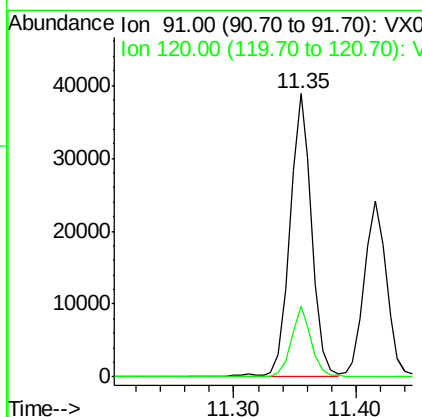
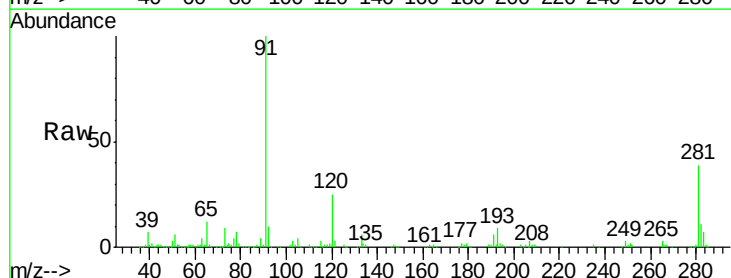
RT: 11.35 min Scan# 1717

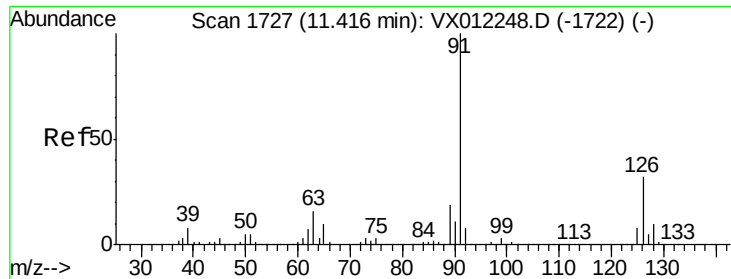
Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	91	Resp:	48351
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.6





#79

2-Chlorotoluene

Concen: 4.439 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 30109

Ion Ratio Lower Upper

91 100

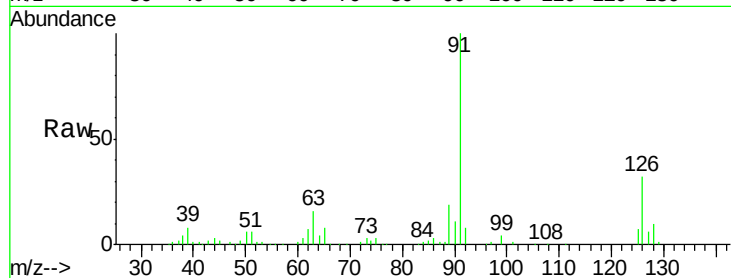
126 32.2 15.9 47.7

Manual Integrations

APPROVED

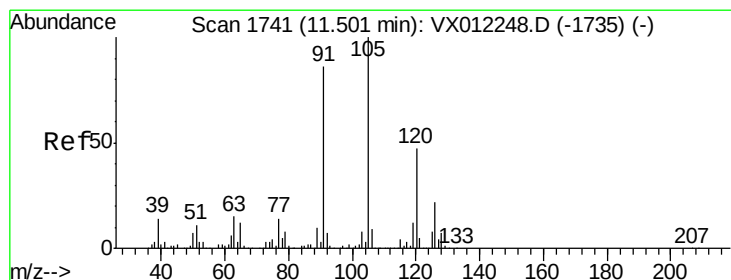
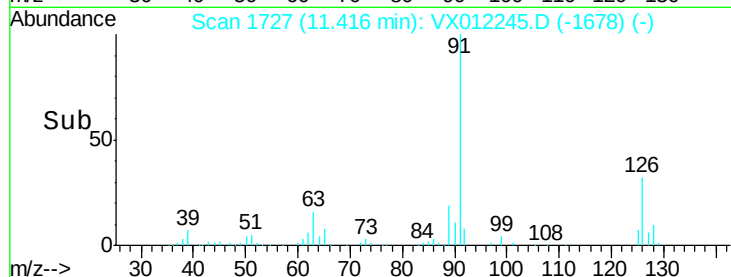
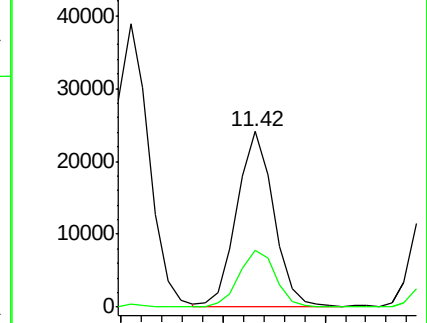
MMDadoda

9/12/2019 9:00:18 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.438 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012245.D

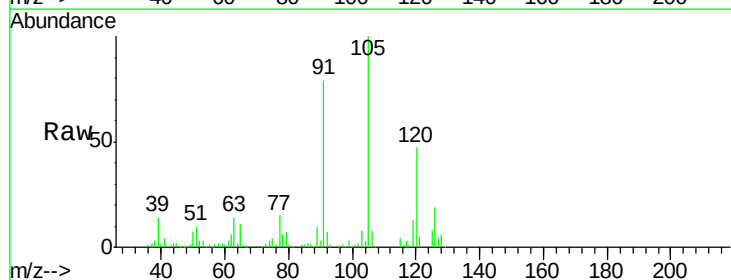
Acq: 10 Sep 2019 09:06

Tgt Ion:105 Resp: 36268

Ion Ratio Lower Upper

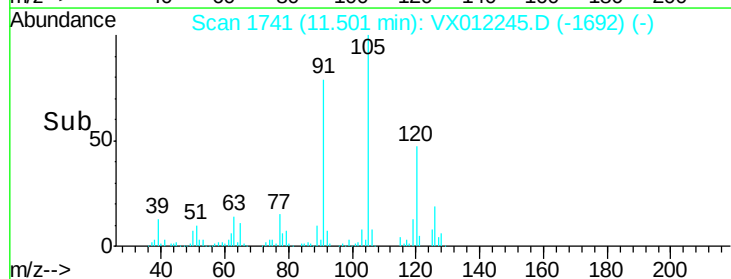
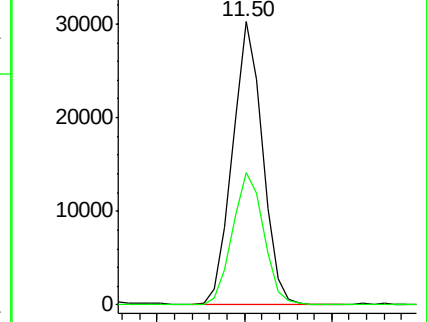
105 100

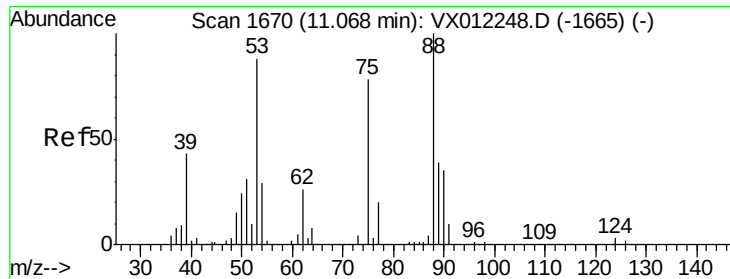
120 48.7 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 3.504 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Instrument :

MSVOA_X

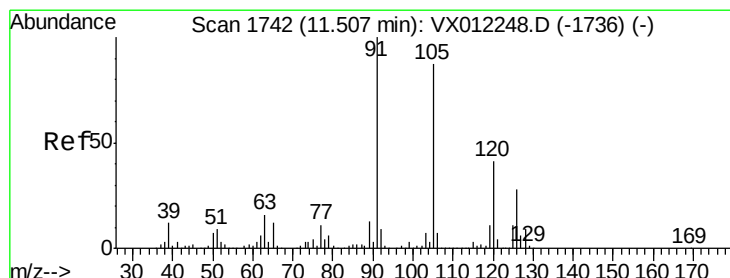
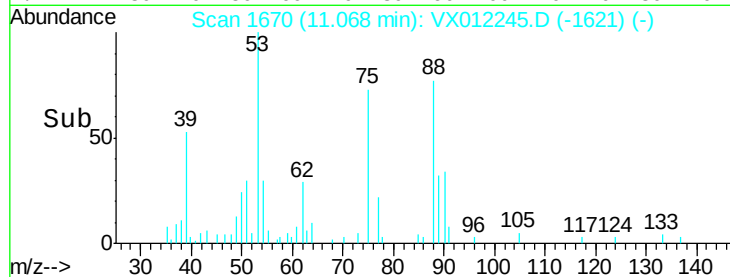
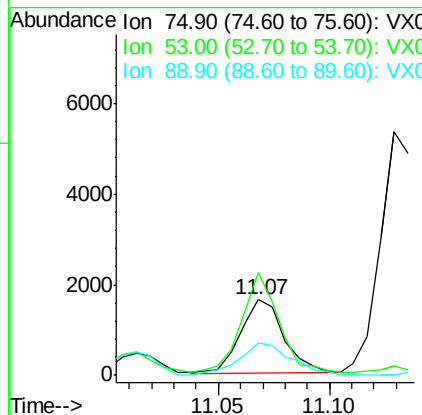
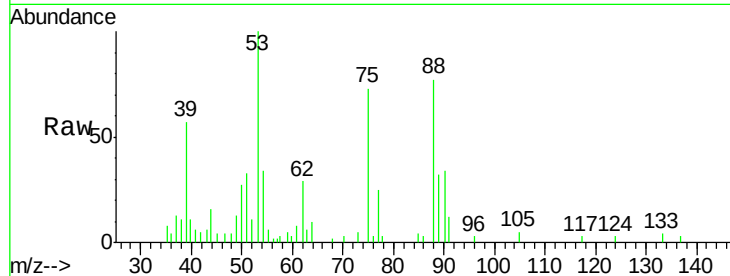
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	2233
Ion	Ratio	Lower	Upper
75	100		
53	127.5	88.1	132.1
89	52.7	43.5	65.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#82

4-Chlorotoluene

Concen: 4.341 ug/l

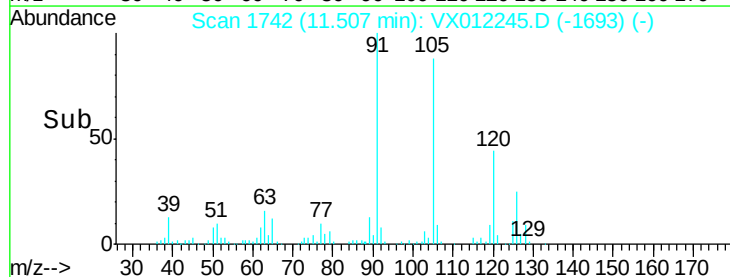
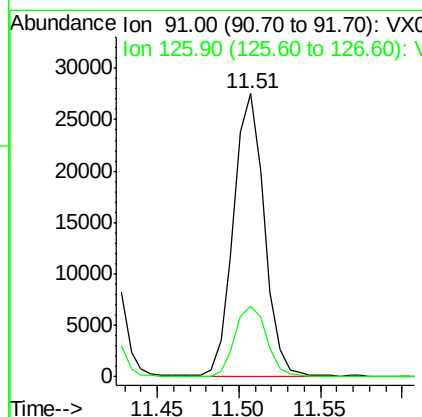
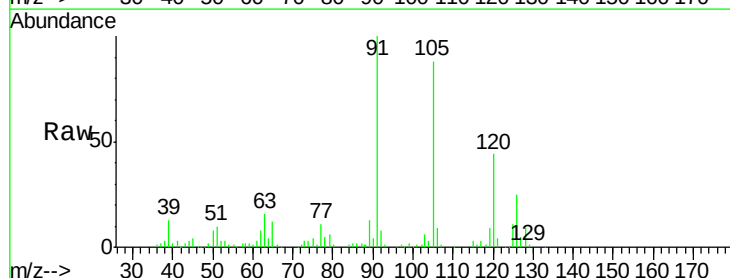
RT: 11.51 min Scan# 1742

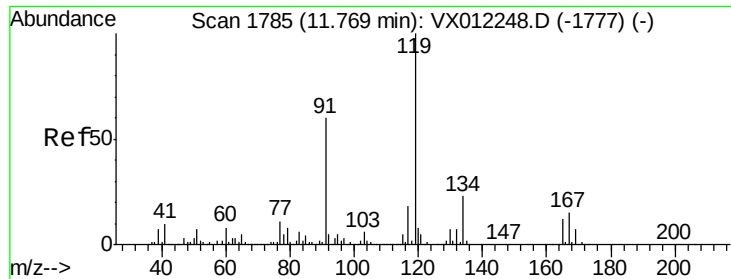
Delta R.T. -0.00 min

Lab File: VX012245.D

Acq: 10 Sep 2019 09:06

Tgt Ion:	91	Resp:	36044
Ion	Ratio	Lower	Upper
91	100		
126	26.1	14.0	42.0





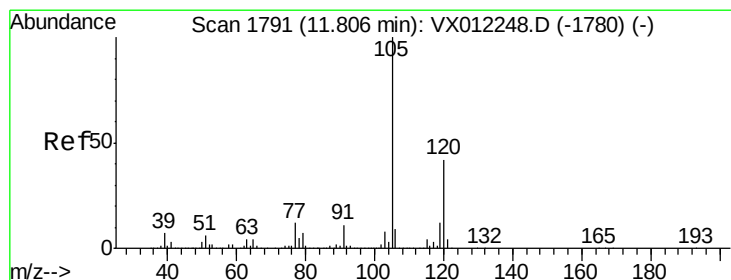
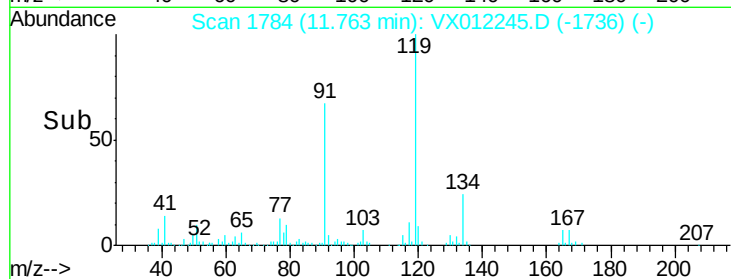
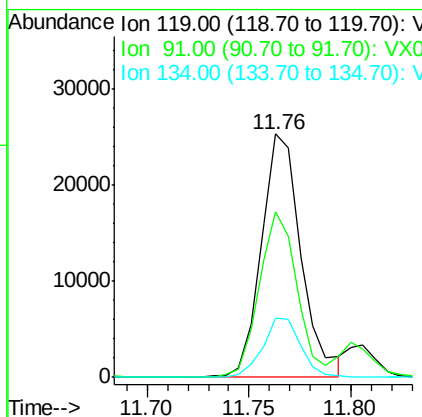
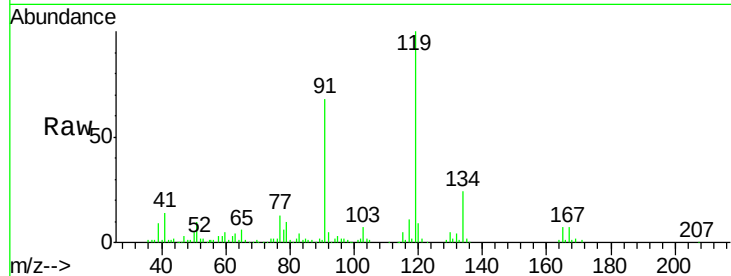
#83
tert-Butylbenzene
Concen: 4.344 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	30.9	92.8
134	23.3	11.2	33.6

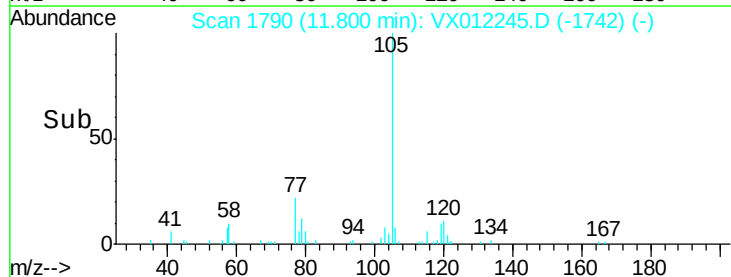
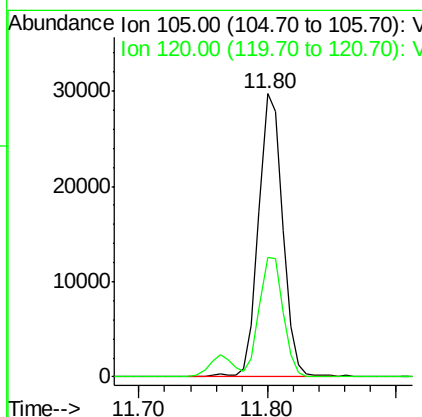
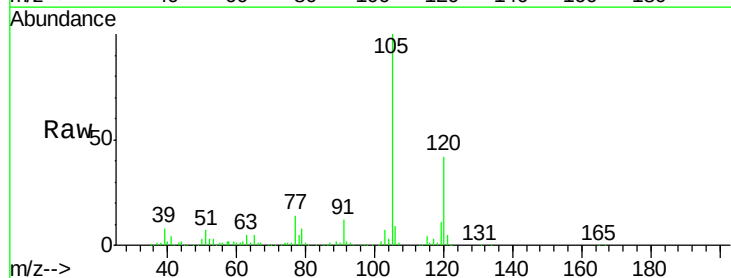
Manual Integrations
APPROVED

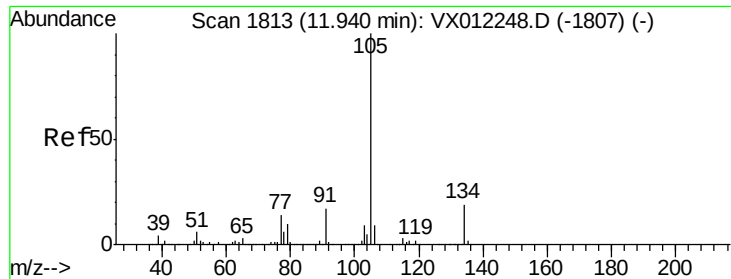
MMDadoda
9/12/2019 9:00:18 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.544 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.5	21.3	63.9





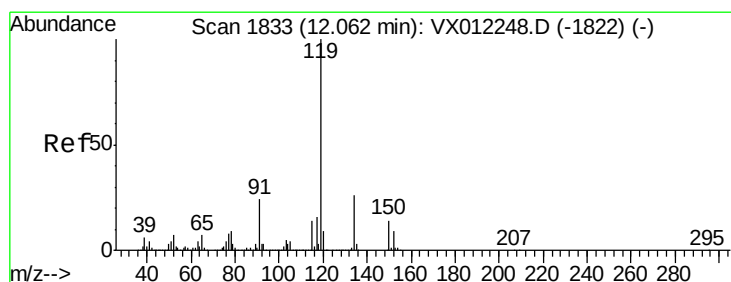
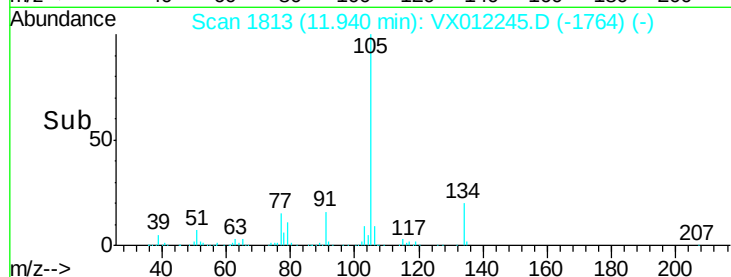
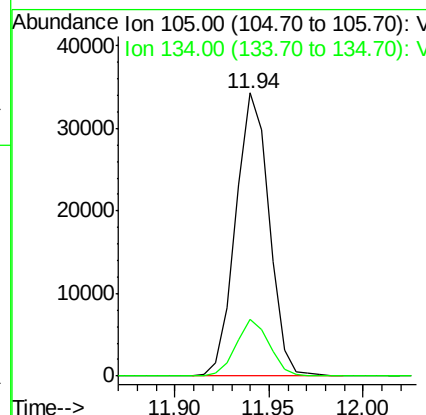
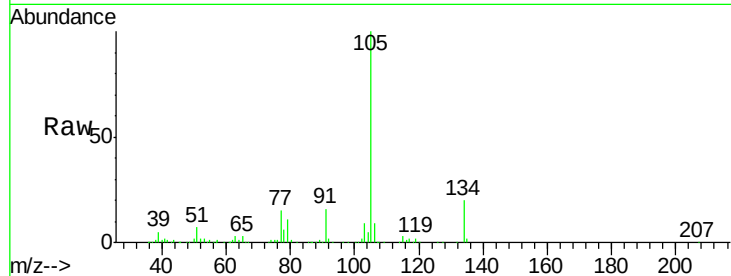
#85
 sec-Butylbenzene
 Concen: 4.536 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	42245		
134	20.0	9.9	29.7	

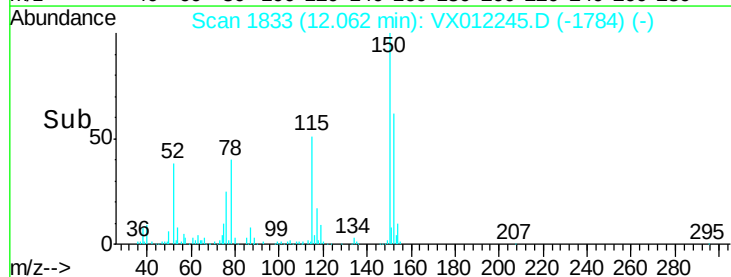
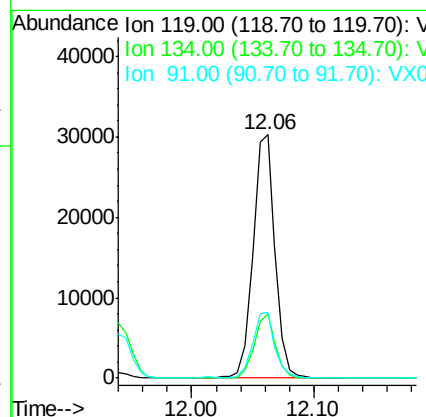
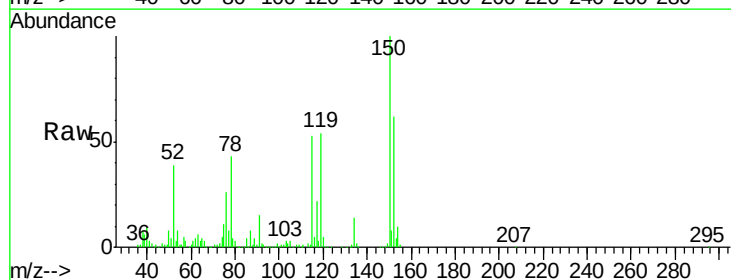
Manual Integrations
 APPROVED

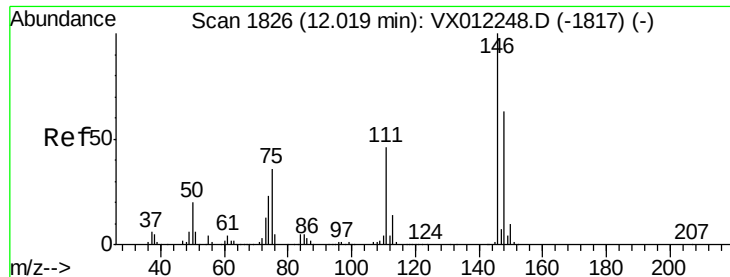
MMDadoda
 9/12/2019 9:00:18 AM



#86
 p-Isopropyltoluene
 Concen: 4.362 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	37668		
134	25.3	12.9	38.7	
91	27.8	13.1	39.1	





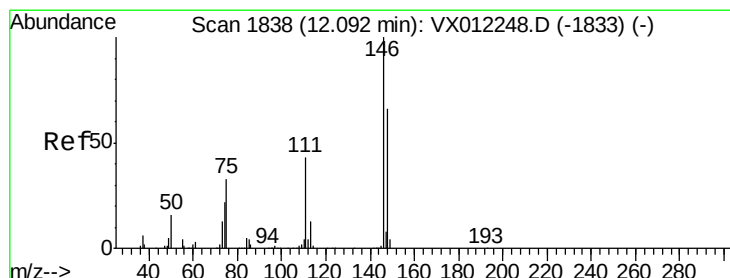
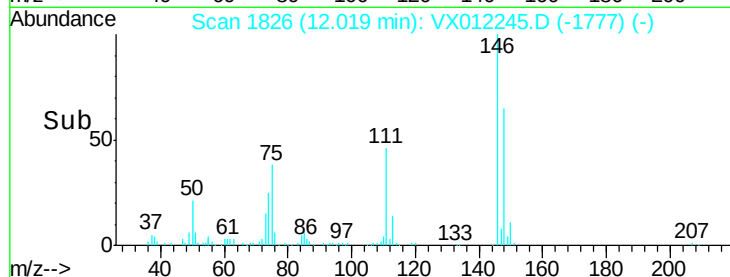
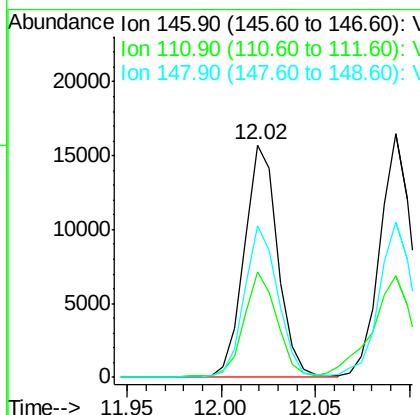
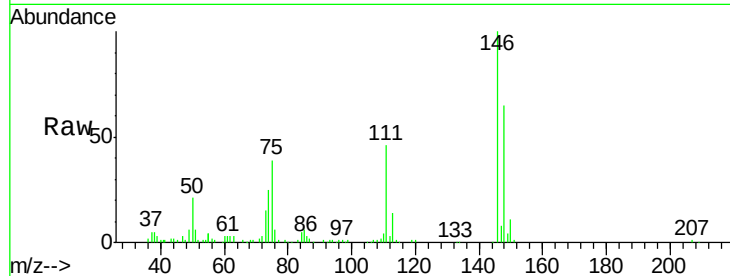
#87
 1,3-Dichlorobenzene
 Concen: 4.541 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.3	66.8
148	65.1	31.5	94.5

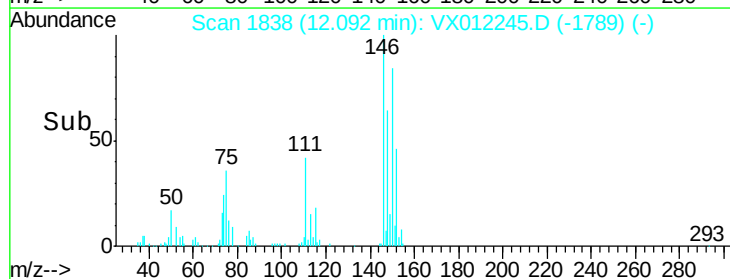
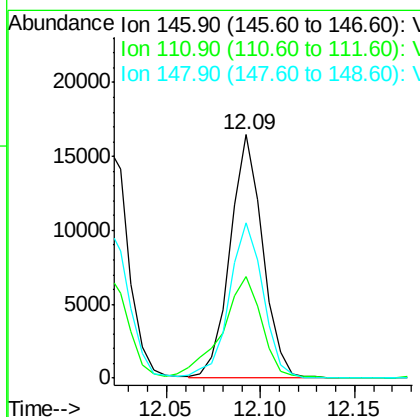
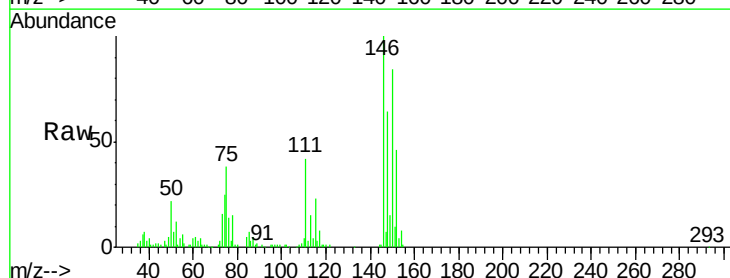
Manual Integrations
 APPROVED

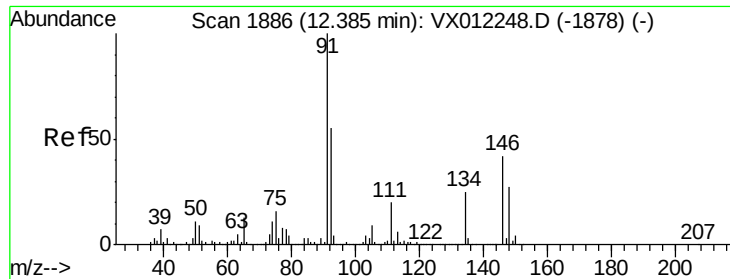
MMDadoda
 9/12/2019 9:00:18 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.609 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.2	21.6	64.8
148	66.7	32.4	97.2





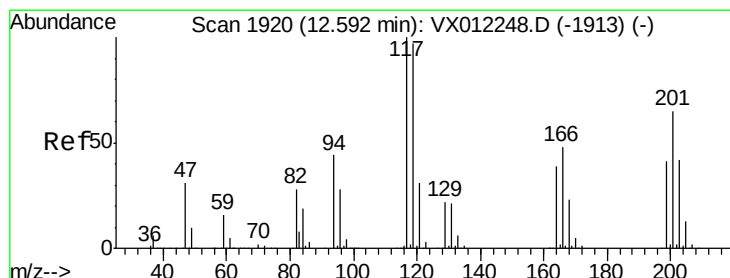
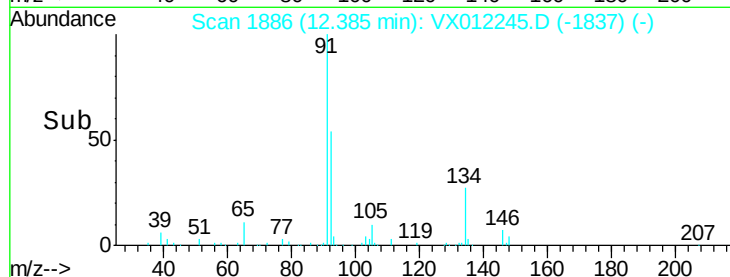
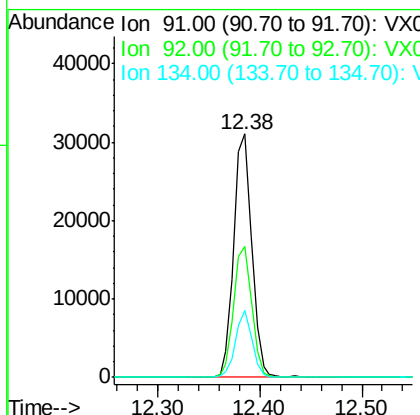
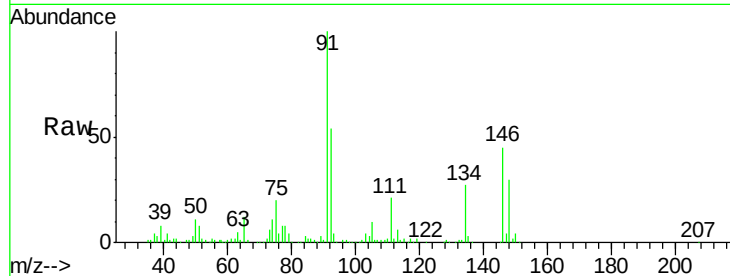
#89
n-Butylbenzene
Concen: 4.566 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	24.8	12.5	37.5

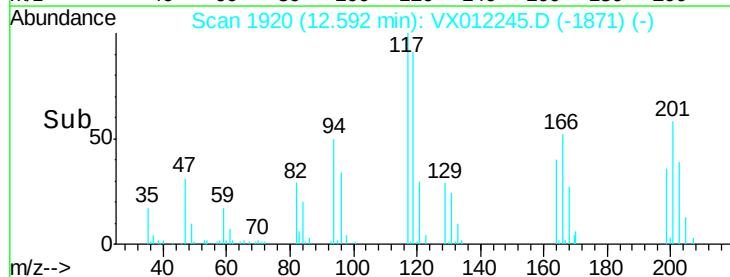
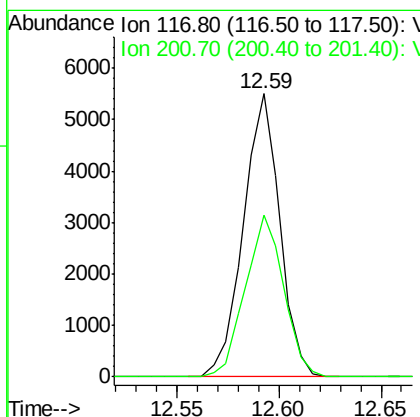
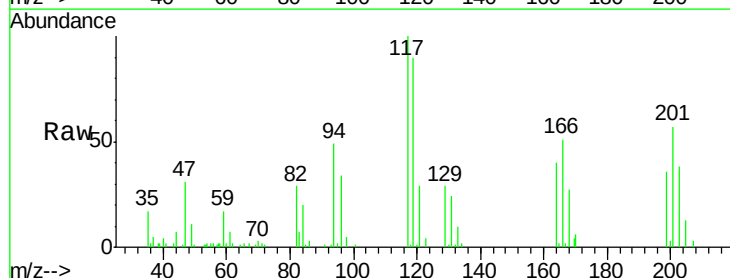
Manual Integrations
APPROVED

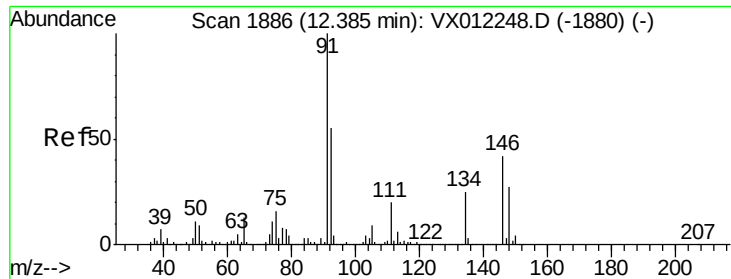
MMDadoda
9/12/2019 9:00:18 AM



#90
Hexachloroethane
Concen: 4.310 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.2	32.2	96.6





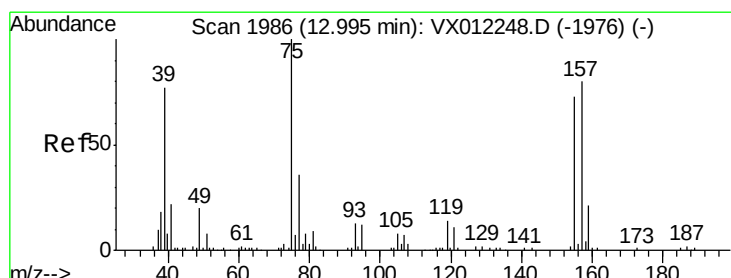
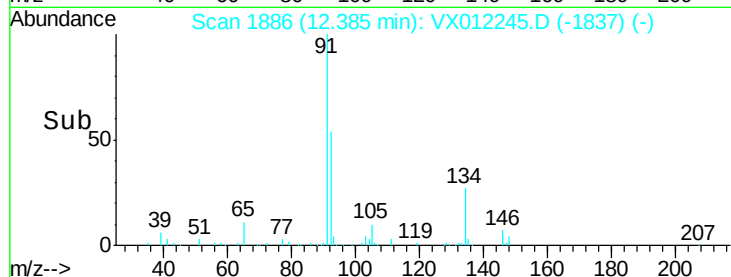
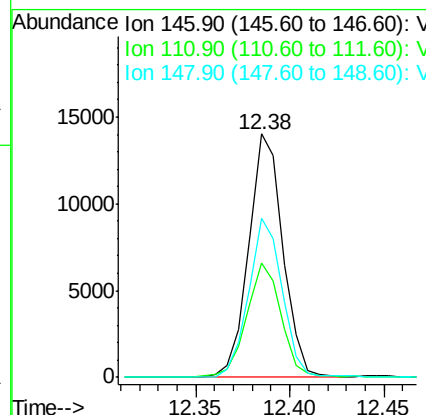
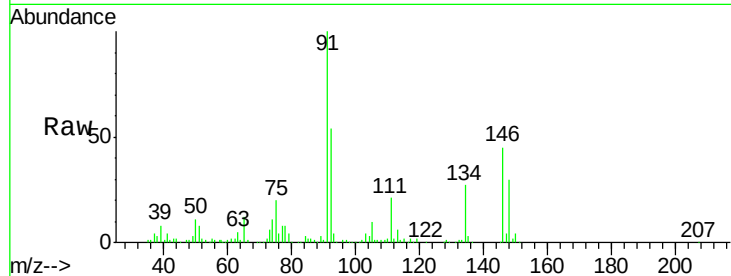
#91
 1,2-Dichlorobenzene
 Concen: 4.407 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.2	69.6
148	64.5	32.4	97.0

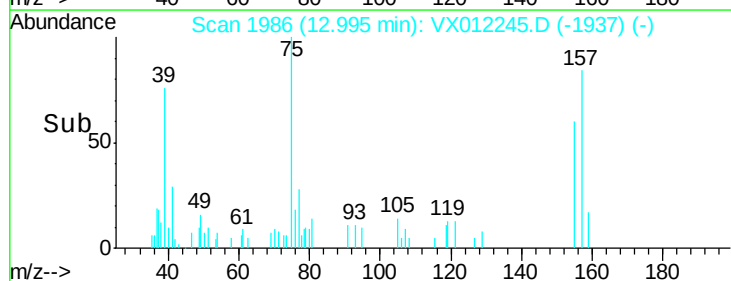
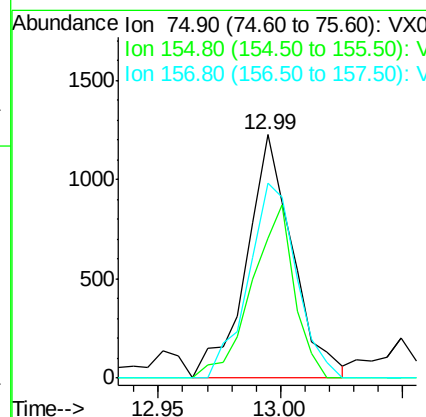
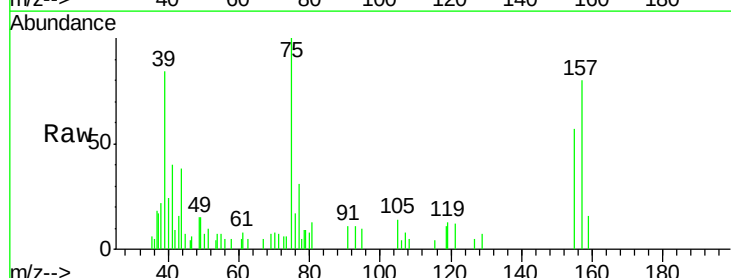
Manual Integrations
 APPROVED

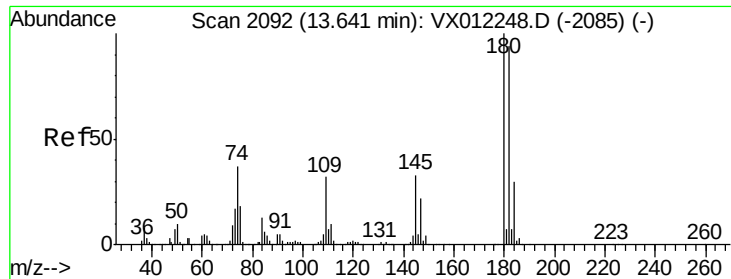
MMDadoda
 9/12/2019 9:00:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.027 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012245.D
 Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.4	35.3	105.7
157	83.3	43.2	129.6





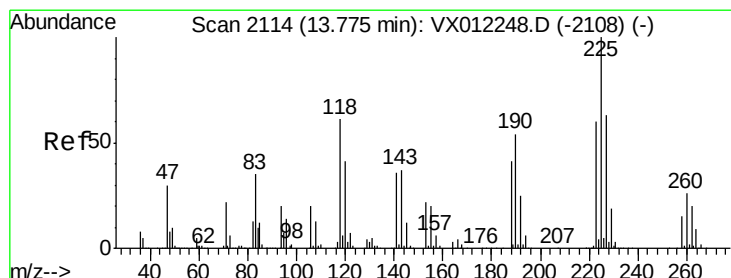
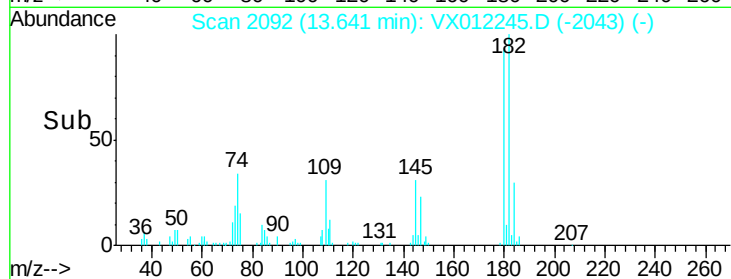
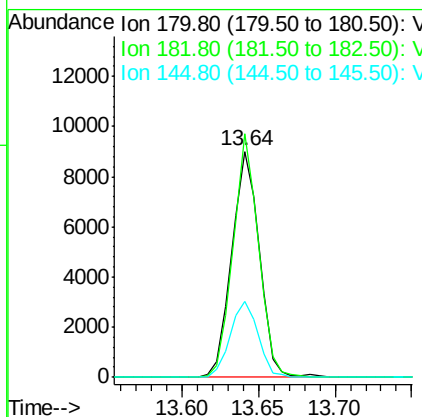
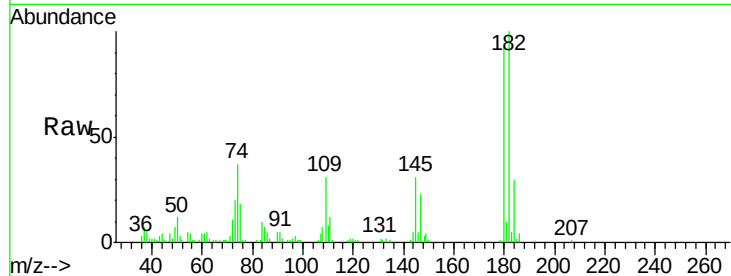
#93
1,2,4-Trichlorobenzene
Concen: 4.264 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.1	46.9	140.8	
145	33.5	17.1	51.2	

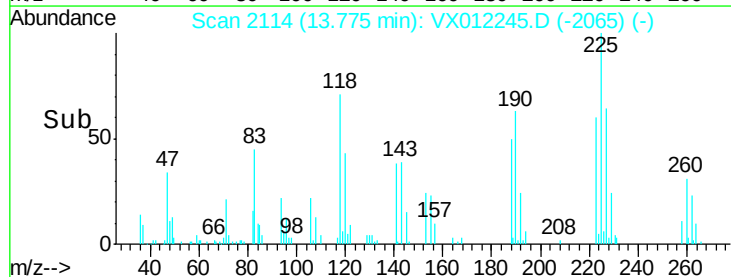
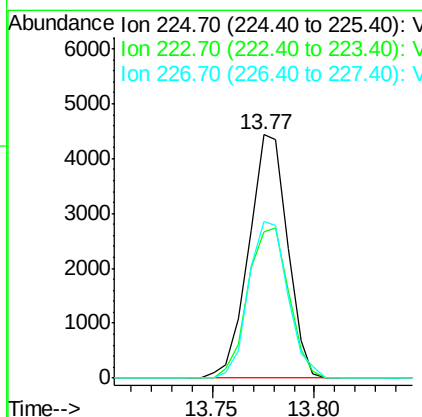
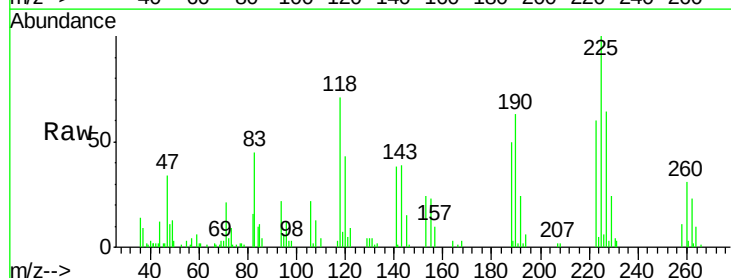
Manual Integrations
APPROVED

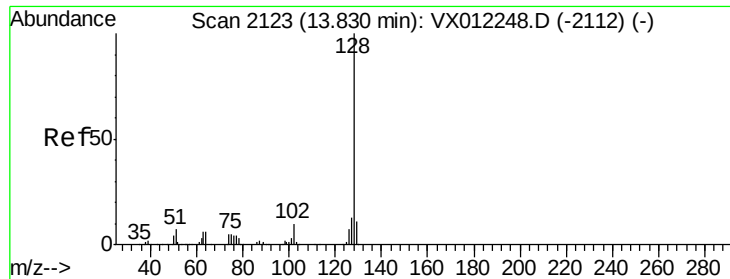
MMDadoda
9/12/2019 9:00:18 AM



#94
Hexachlorobutadiene
Concen: 4.579 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.1	32.1	96.5	
227	65.2	32.5	97.5	





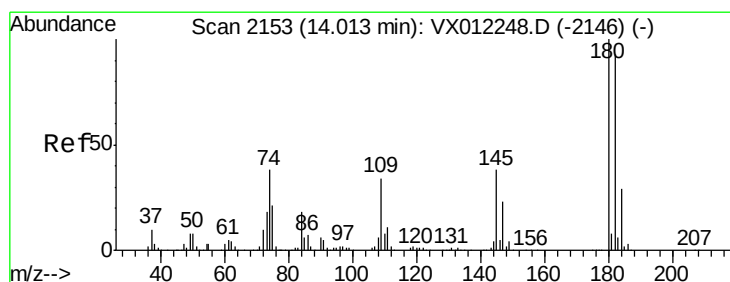
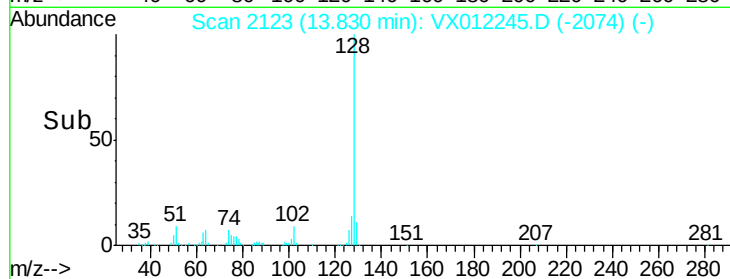
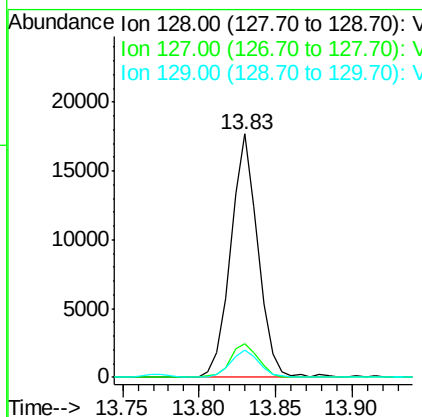
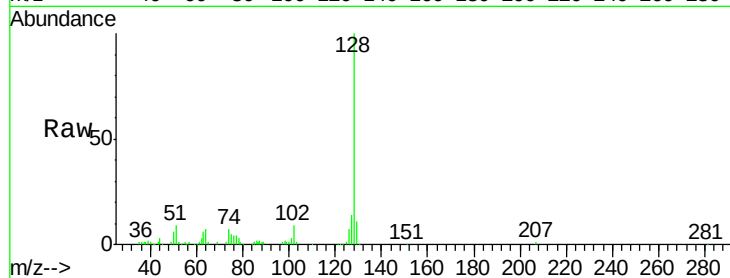
#95
Naphthalene
Concen: 3.736 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.2	15.2
129	11.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.358 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012245.D
Acq: 10 Sep 2019 09:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.0	141.0
145	39.7	18.6	55.8

