

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012351.D
 Acq On : 12 Sep 2019 16:53
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:11:50 AM

Quant Time: Sep 13 02:14:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	144739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	90406	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
35) Dibromofluoromethane	5.48	113	72366	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
50) Toluene-d8	8.71	98	274607	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.14	95	116767	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	49960	42.219	ug/l 98
3) Chloromethane	1.31	50	47335	44.376	ug/l 99
4) Vinyl Chloride	1.39	62	46714	44.168	ug/l 100
5) Bromomethane	1.62	94	24105	56.870	ug/l 100
6) Chloroethane	1.71	64	32342	45.731	ug/l 99
7) Trichlorofluoromethane	1.92	101	85973	44.915	ug/l 99
8) Diethyl Ether	2.17	74	30091	46.070	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61903	47.984	ug/l 99
10) Methyl Iodide	2.50	142	37391	30.453	ug/l 99
11) Tert butyl alcohol	3.03	59	45228	206.542	ug/l 99
12) 1,1-Dichloroethene	2.36	96	50894	46.469	ug/l 97
13) Acrolein	2.28	56	30464	284.788	ug/l 92
14) Allyl chloride	2.72	41	100166	44.858	ug/l 99
15) Acrylonitrile	3.12	53	91830	227.441	ug/l 99
16) Acetone	2.43	43	107778	222.486	ug/l 100
17) Carbon Disulfide	2.56	76	97313	42.312	ug/l 98
18) Methyl Acetate	2.76	43	43372	42.597	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	195061	45.099	ug/l 99
20) Methylene Chloride	2.84	84	70593	46.526	ug/l 99
21) trans-1,2-Dichloroethene	3.15	96	60029	45.940	ug/l 96
22) Diisopropyl ether	3.84	45	237680	46.543	ug/l 99
23) Vinyl Acetate	3.80	43	723992	231.074	ug/l 98
24) 1,1-Dichloroethane	3.68	63	128078	46.823	ug/l 97
25) 2-Butanone	4.65	43	135859	219.386	ug/l 98
26) 2,2-Dichloropropane	4.56	77	118925	46.309	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	78791	46.705	ug/l 98
28) Bromochloromethane	5.00	49	59072	46.046	ug/l 100
29) Tetrahydrofuran	5.11	42	75242	225.193	ug/l 98
30) Chloroform	5.19	83	141973	46.028	ug/l 100
31) Cyclohexane	5.56	56	85360	44.924	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	120252	45.403	ug/l 98
36) 1,1-Dichloropropene	5.79	75	86847	47.386	ug/l 98
37) Ethyl Acetate	4.81	43	52157	46.037	ug/l 99
38) Carbon Tetrachloride	5.77	117	98826	45.959	ug/l 99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94856	47.161	ug/l	98
40) Benzene	6.13	78	262322	47.291	ug/l	98
41) Methacrylonitrile	5.02	41	33002	47.251	ug/l	98
42) 1,2-Dichloroethane	6.18	62	102135	46.587	ug/l	99
43) Isopropyl Acetate	6.44	43	107585	45.041	ug/l	99
44) Trichloroethene	7.20	130	72442	48.257	ug/l	96
45) 1,2-Dichloropropane	7.50	63	71669	46.678	ug/l	100
46) Dibromomethane	7.65	93	40867	48.700	ug/l	98
47) Bromodichloromethane	7.89	83	106036	46.303	ug/l	98
48) Methyl methacrylate	7.76	41	51570	45.106	ug/l	99
49) 1,4-Dioxane	7.73	88	12772	827.858	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	285743	226.664	ug/l	100
52) Toluene	8.78	92	173902	47.464	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	105112	45.987	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	117531	46.372	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	62173	47.823	ug/l	97
56) Ethyl methacrylate	9.17	69	80815	45.911	ug/l	99
57) 1,3-Dichloropropane	9.37	76	104930	47.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	204851	227.062	ug/l	99
59) 2-Hexanone	9.48	43	208329	237.673	ug/l	99
60) Dibromochloromethane	9.57	129	71363	47.020	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56471	46.664	ug/l	97
64) Tetrachloroethene	9.33	164	58358	47.700	ug/l	97
65) Chlorobenzene	10.14	112	199867	47.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	76812	48.206	ug/l	99
67) Ethyl Benzene	10.25	91	357514	47.556	ug/l	98
68) m/p-Xylenes	10.36	106	264989	95.754	ug/l	100
69) o-Xylene	10.70	106	130279	48.056	ug/l	98
70) Styrene	10.71	104	231405	48.130	ug/l	99
71) Bromoform	10.85	173	38266	46.312	ug/l #	98
73) Isopropylbenzene	11.01	105	359474	47.372	ug/l	99
74) N-amyl acetate	10.89	43	98146	43.499	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76775	47.109	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	66873m	45.160	ug/l	
77) Bromobenzene	11.25	156	83740	47.931	ug/l	99
78) n-propylbenzene	11.35	91	434243	47.387	ug/l	100
79) 2-Chlorotoluene	11.42	91	260946	45.962	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	324315	47.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21421	43.343	ug/l	97
82) 4-Chlorotoluene	11.51	91	321577	47.131	ug/l	100
83) tert-Butylbenzene	11.76	119	317985	47.988	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	328864	46.617	ug/l	97
85) sec-Butylbenzene	11.94	105	372838	47.156	ug/l	100
86) p-Isopropyltoluene	12.06	119	348362	47.686	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	172156	48.372	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	169498	47.099	ug/l	99
89) n-Butylbenzene	12.39	91	338941	47.336	ug/l	99
90) Hexachloroethane	12.59	117	63073	46.873	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	156933	47.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13868	41.689	ug/l	95

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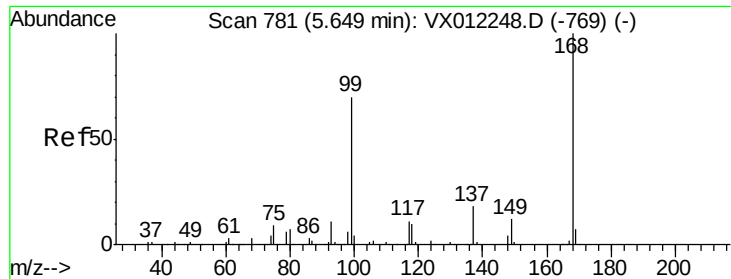
Manual Integrations
APPROVED

MMDadoda
9/13/2019 10:11:50 AM

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	109108	47.990	ug/l	99
94) Hexachlorobutadiene	13.78	225	54845	48.490	ug/l	99
95) Naphthalene	13.83	128	216383	44.349	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	94433	46.944	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 144739

Ion Ratio Lower Upper

168 100

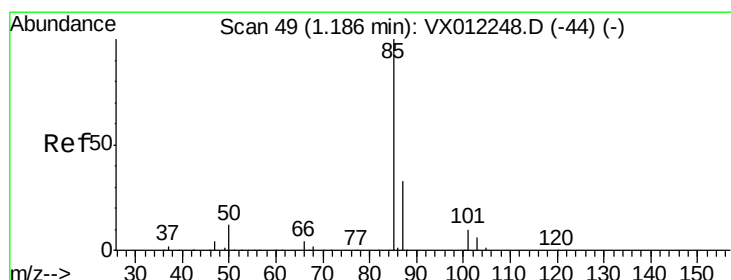
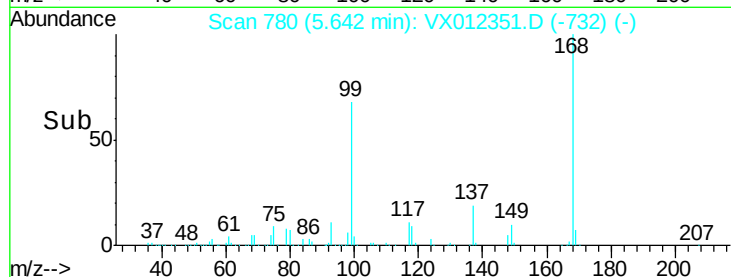
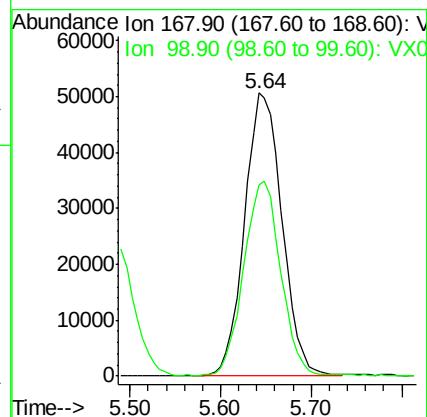
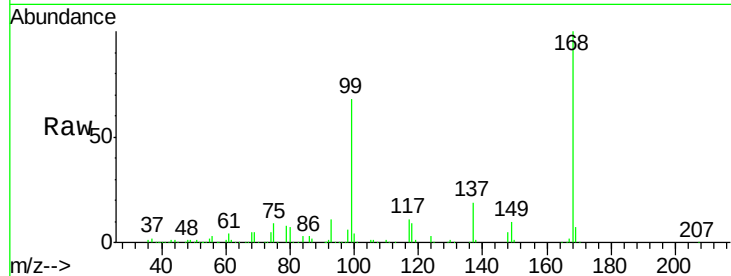
99 67.2 55.8 83.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 42.219 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012351.D

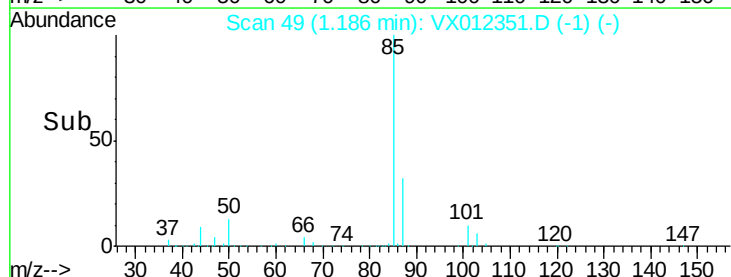
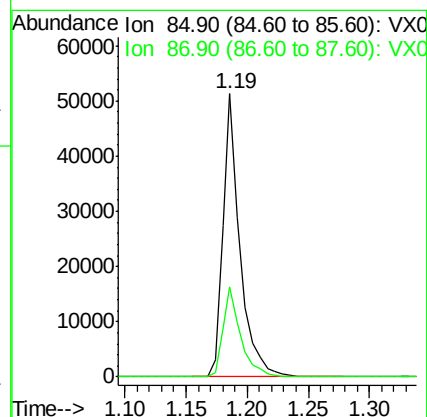
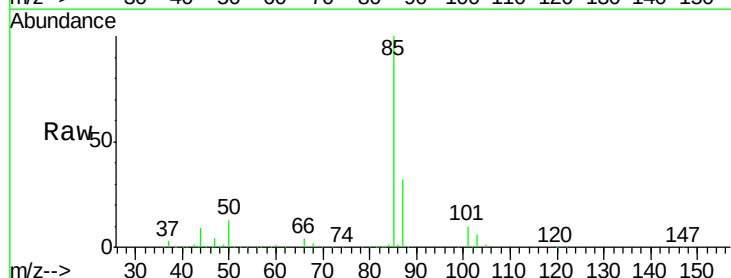
Acq: 12 Sep 2019 16:53

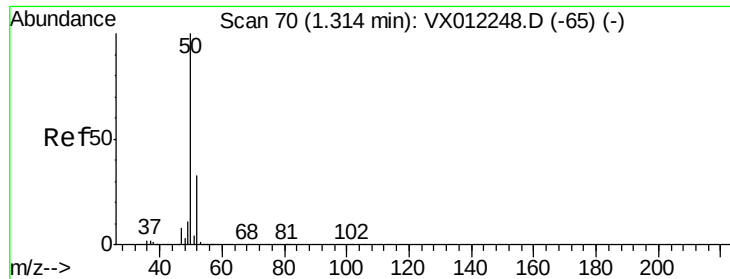
Tgt Ion: 85 Resp: 49960

Ion Ratio Lower Upper

85 100

87 32.0 16.7 50.0





#3

Chloromethane

Concen: 44.376 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 47335

Ion Ratio Lower Upper

50 100

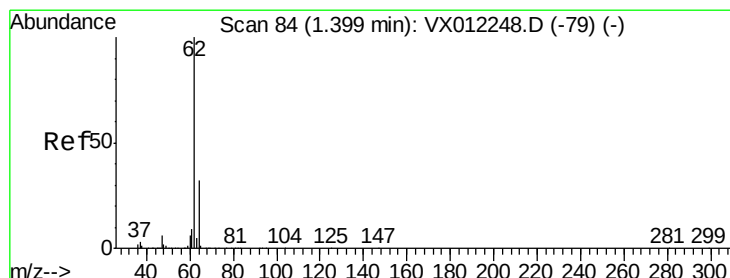
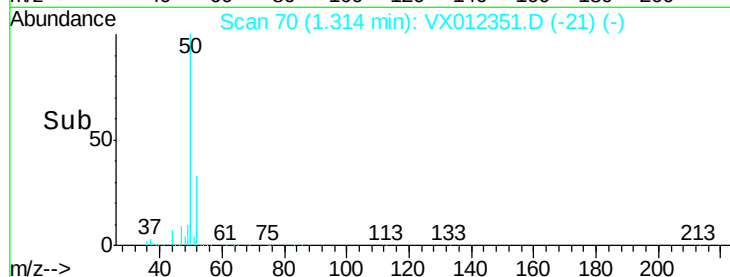
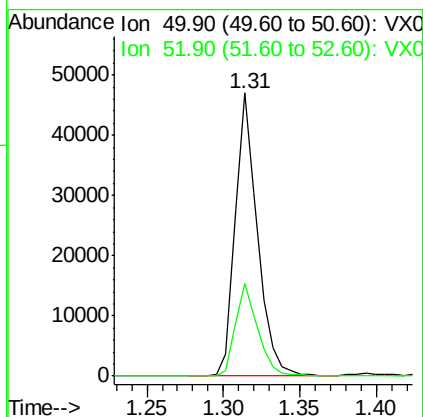
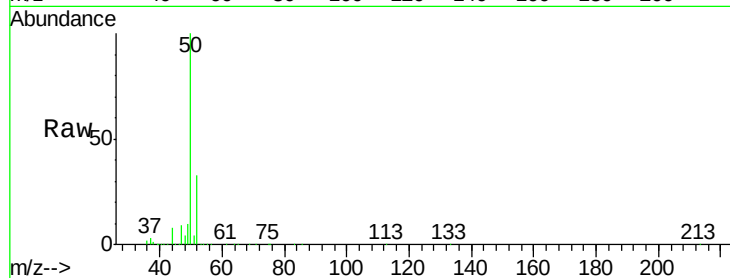
52 32.8 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.168 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012351.D

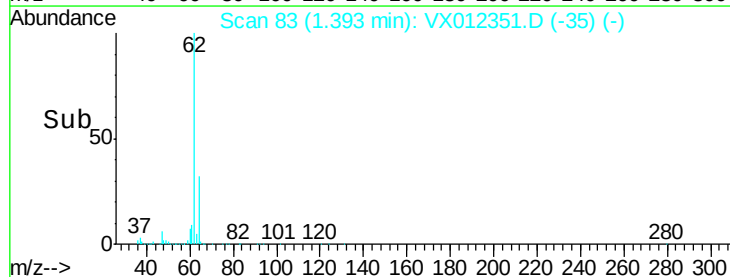
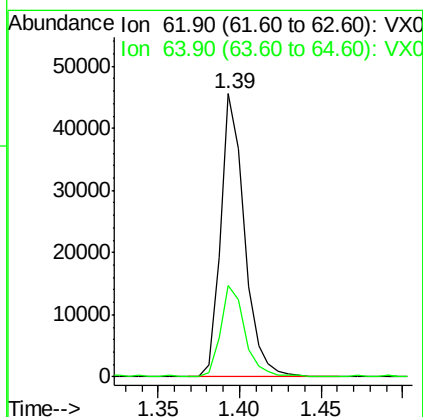
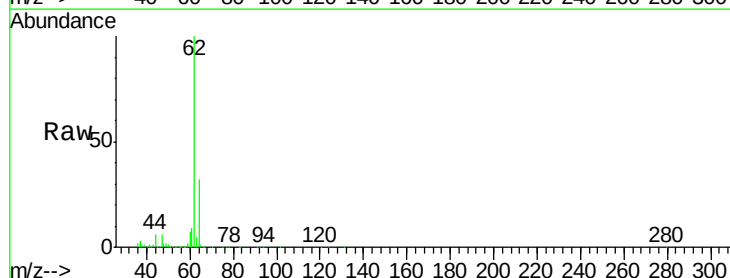
Acq: 12 Sep 2019 16:53

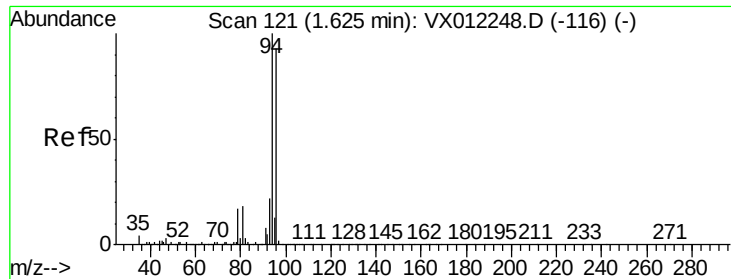
Tgt Ion: 62 Resp: 46714

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 56.870 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 24105

Ion Ratio Lower Upper

94 100

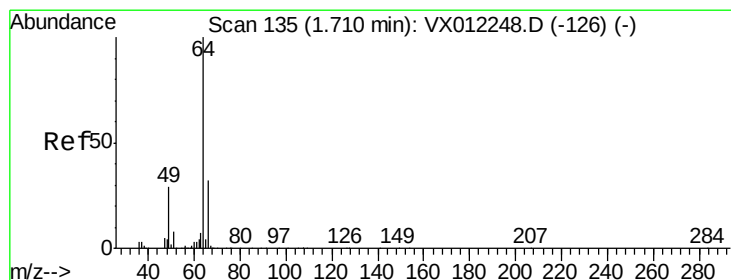
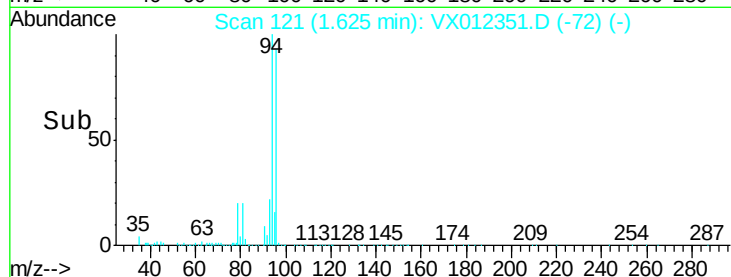
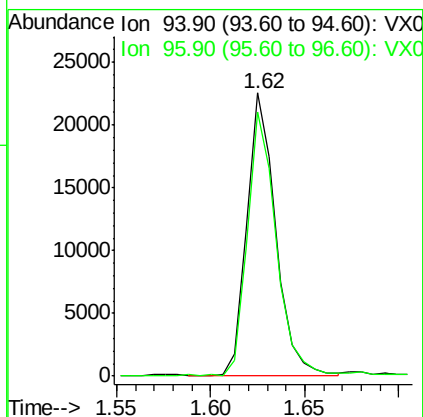
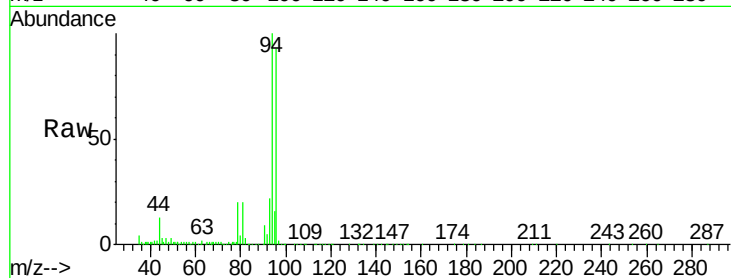
96 92.9 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 45.731 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012351.D

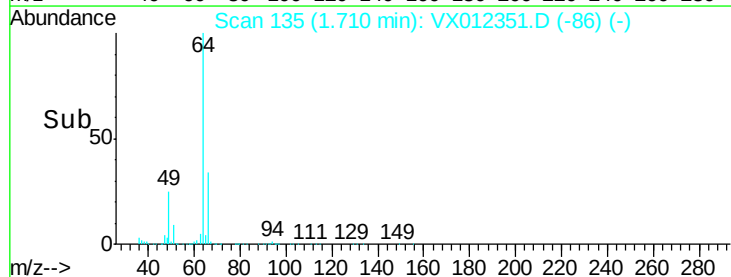
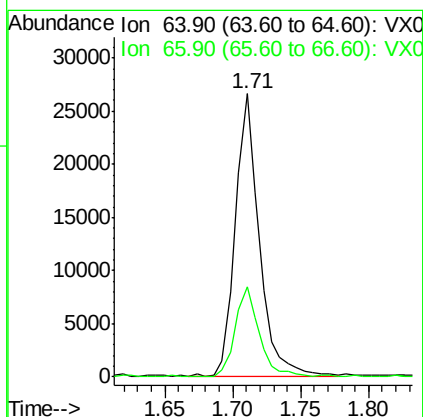
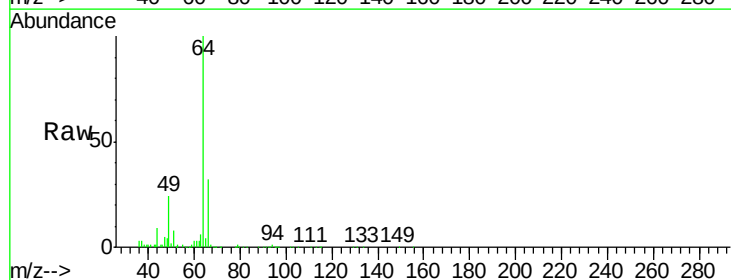
Acq: 12 Sep 2019 16:53

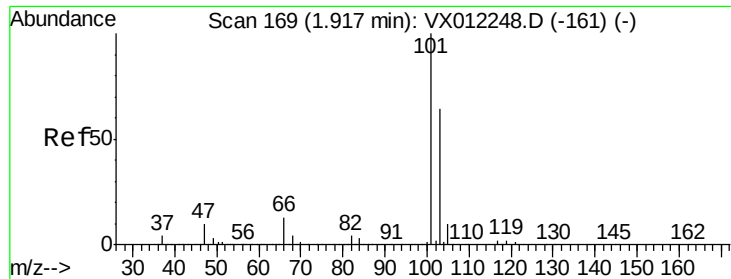
Tgt Ion: 64 Resp: 32342

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.6





#7

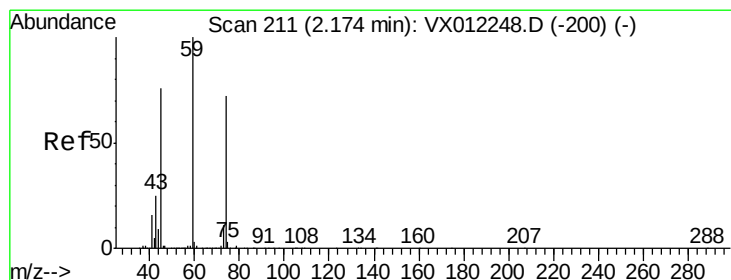
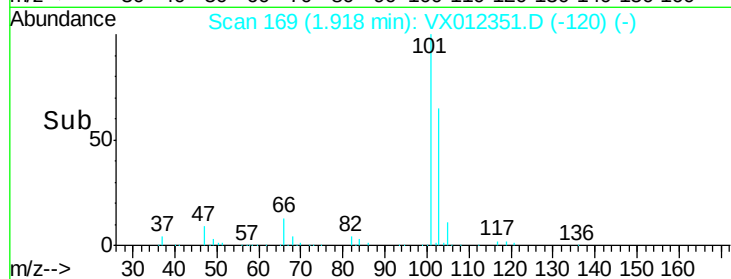
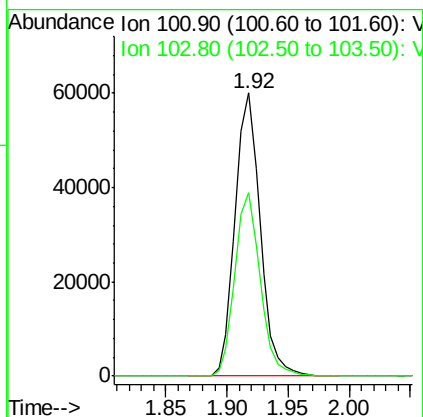
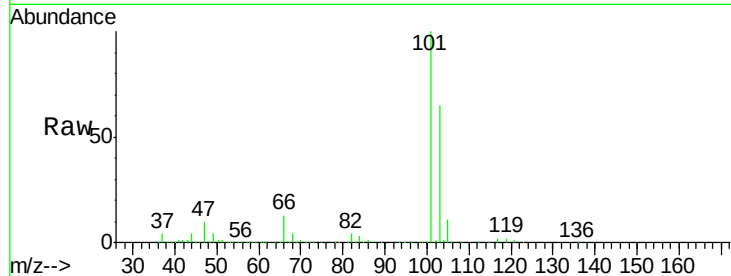
Trichlorofluoromethane
Concen: 44.915 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	85973		
103	65.0		51.4	77.2

Manual Integrations
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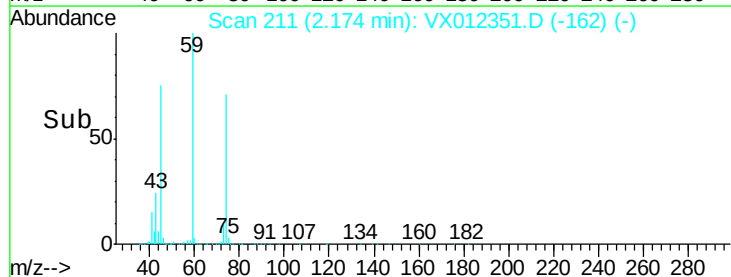
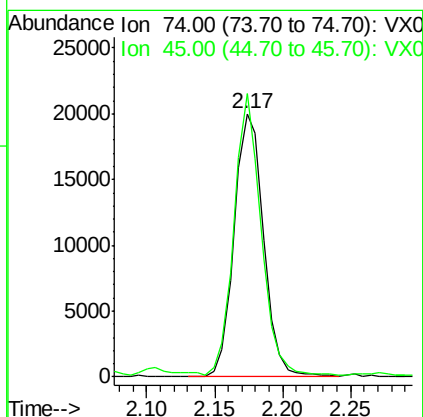
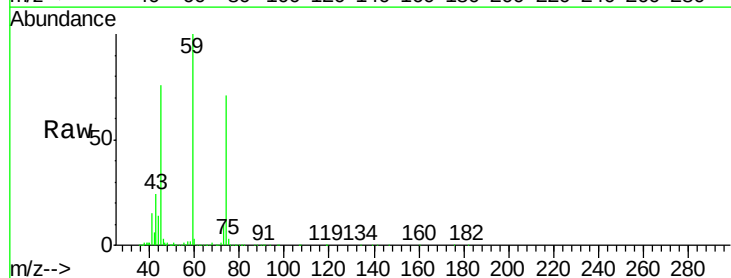
MMDadoda
9/13/2019 10:11:50 AM

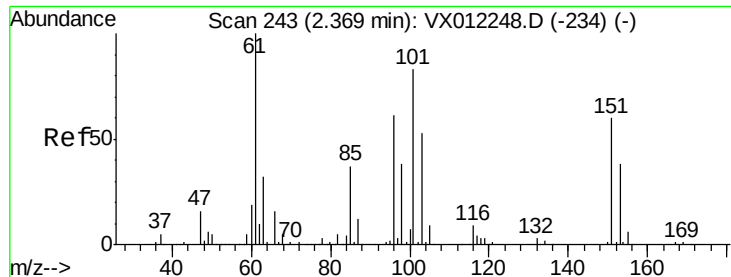


#8

Diethyl Ether
Concen: 46.070 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	30091		
45	98.1		51.3	153.9





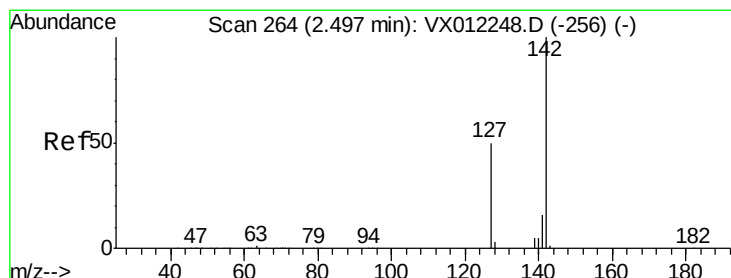
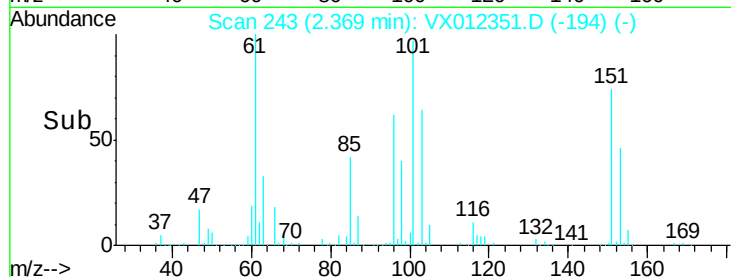
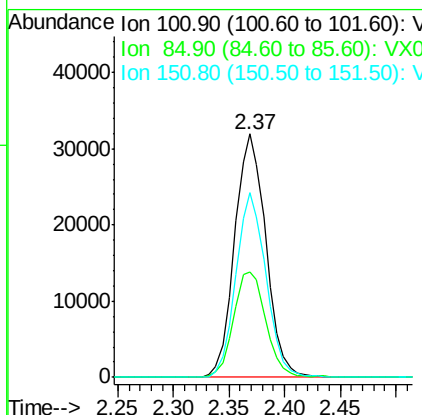
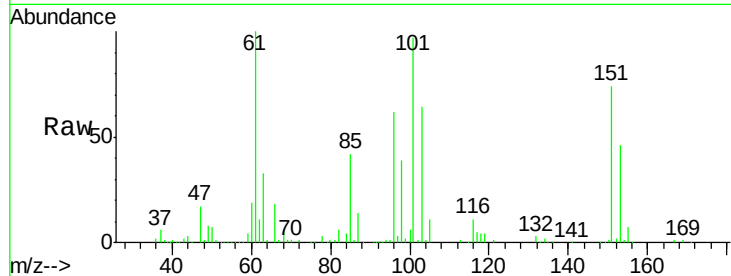
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.984 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	44.9	37.0	55.6
151	73.1	58.6	87.8

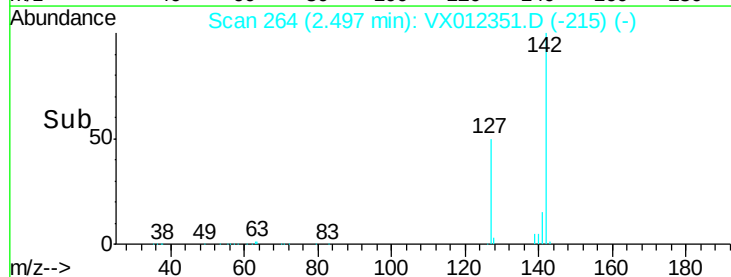
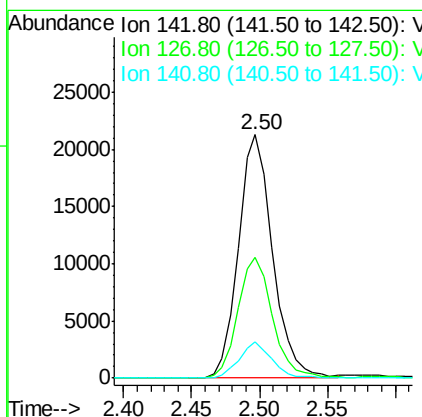
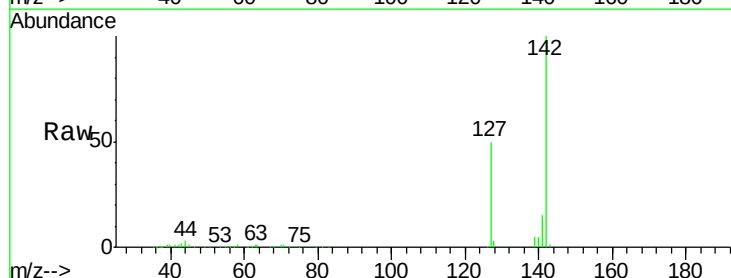
Manual Integrations
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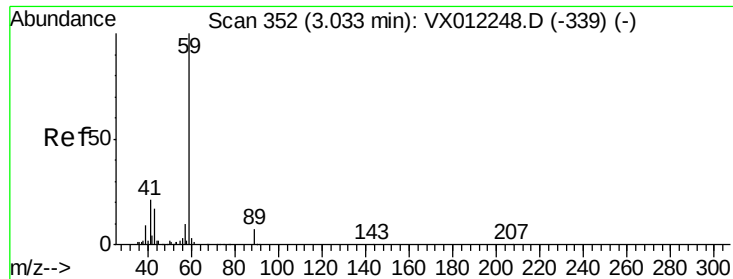
MMDadoda
9/13/2019 10:11:50 AM



#10
Methyl Iodide
Concen: 30.453 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.3	40.6	61.0
141	14.5	12.0	18.0





#11

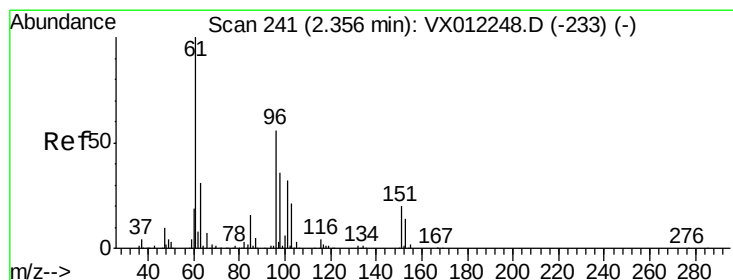
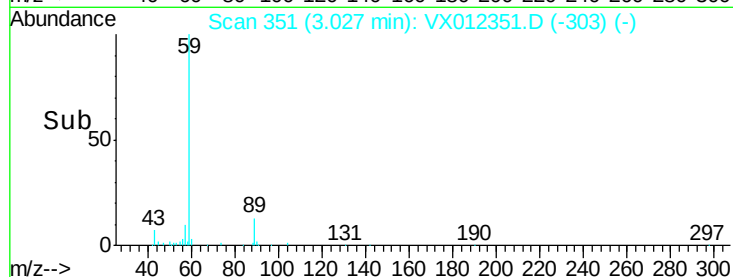
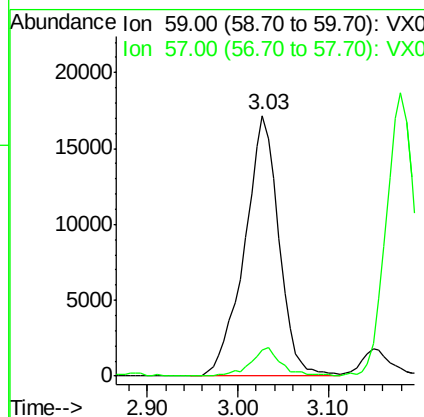
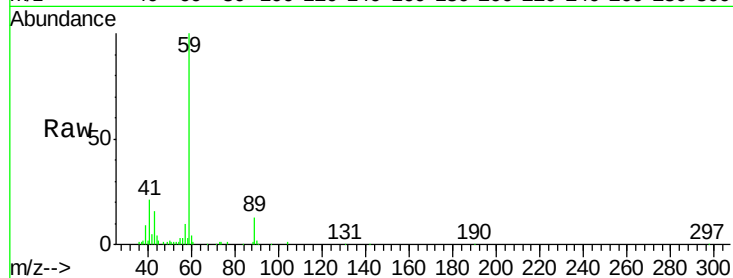
Tert butyl alcohol
 Concen: 206.542 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.8	11.6

Manual Integrations
 APPROVED

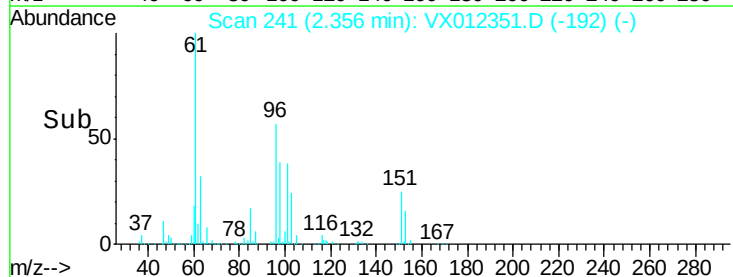
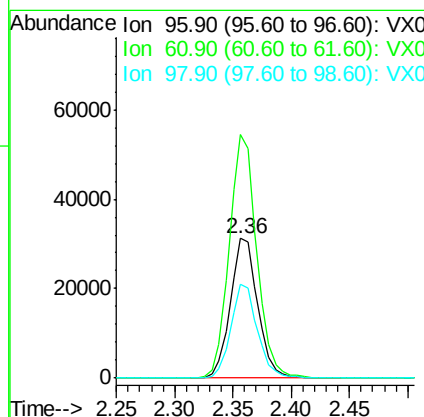
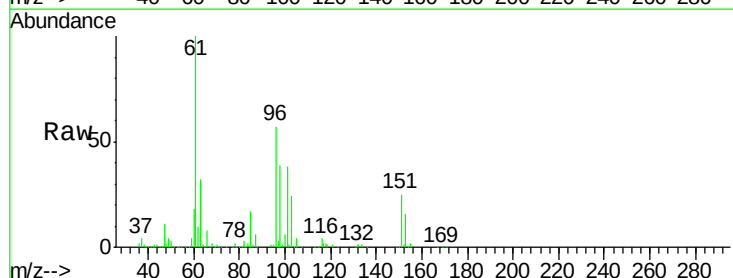
MMDadoda
 9/13/2019 10:11:50 AM

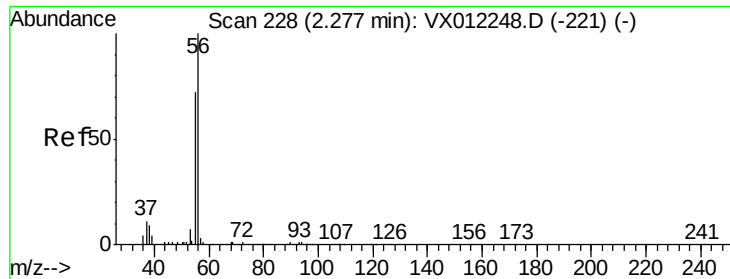


#12

1,1-Dichloroethene
 Concen: 46.469 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.0	142.2	213.2
98	67.1	51.3	76.9





#13

Acrolein

Concen: 284.788 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 30464

Ion Ratio Lower Upper

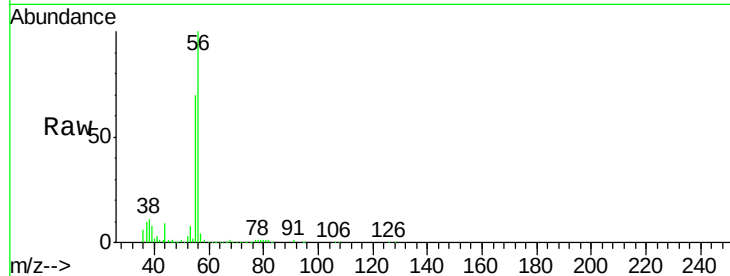
56 100

55 68.2 59.8 89.6

Manual Integrations
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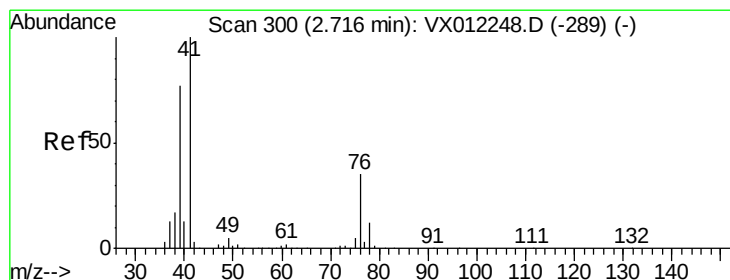
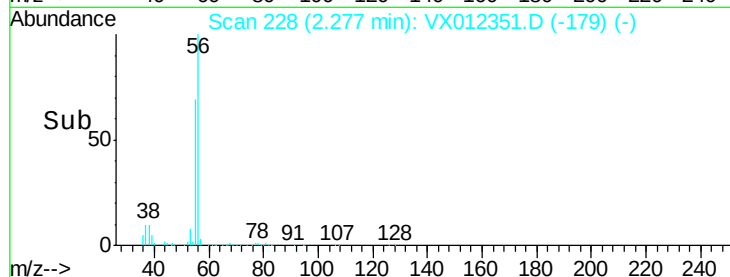
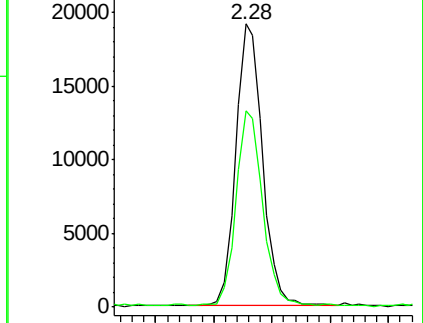
MMDadoda

9/13/2019 10:11:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 44.858 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

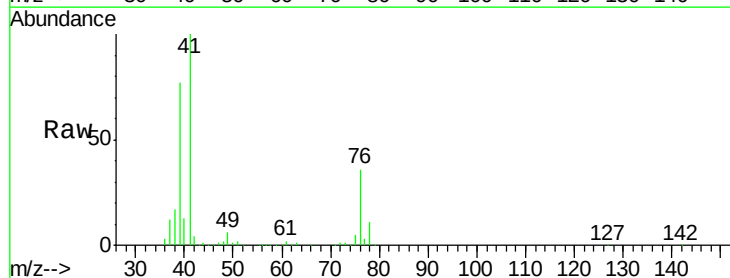
Tgt Ion: 41 Resp: 100166

Ion Ratio Lower Upper

41 100

39 74.2 58.6 87.8

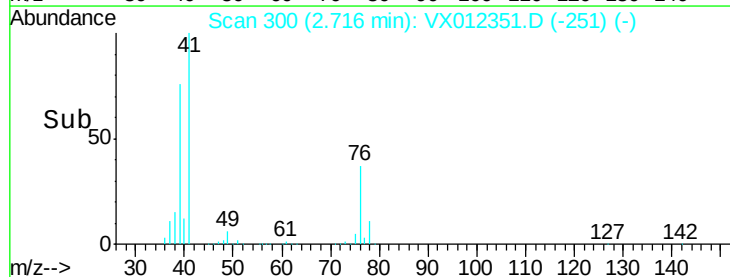
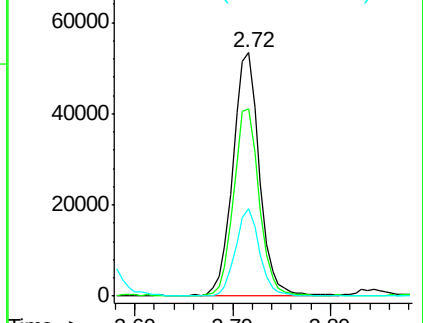
76 33.1 26.3 39.5

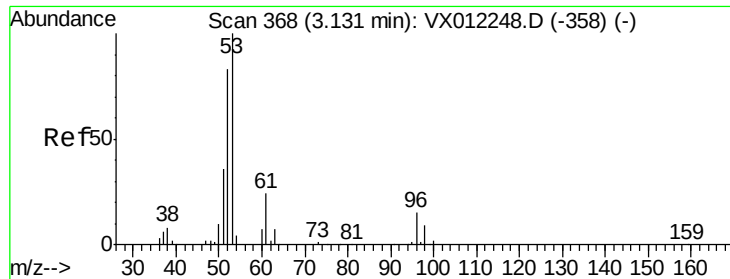


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 227.441 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

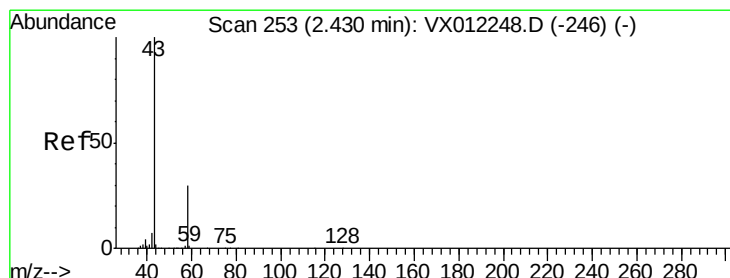
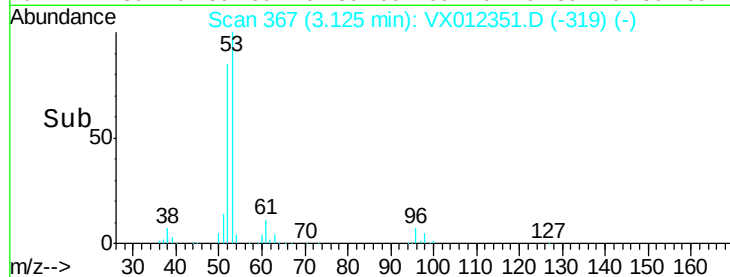
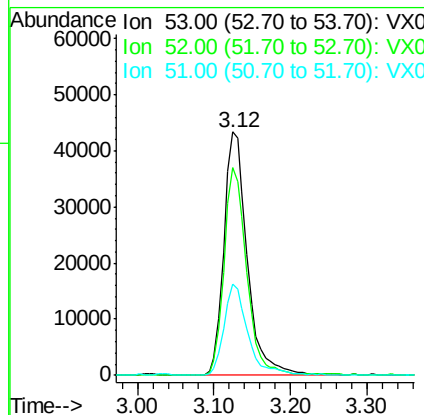
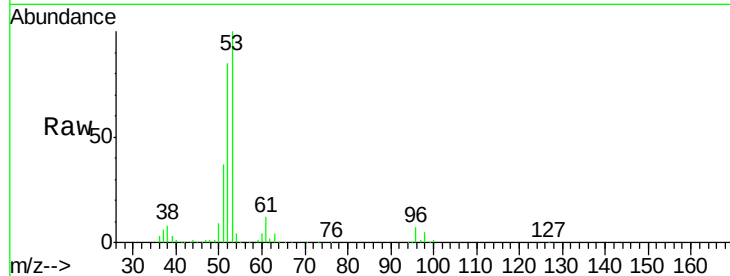
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91830
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.8	100.2
51	37.9	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 222.486 ug/l

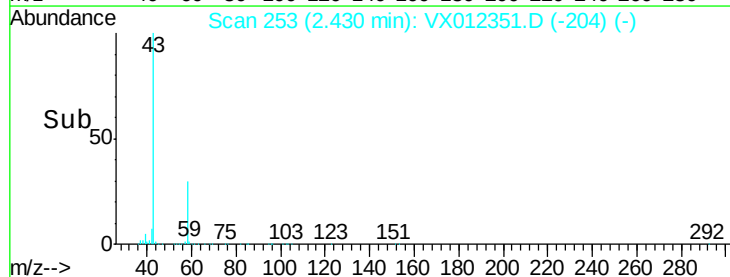
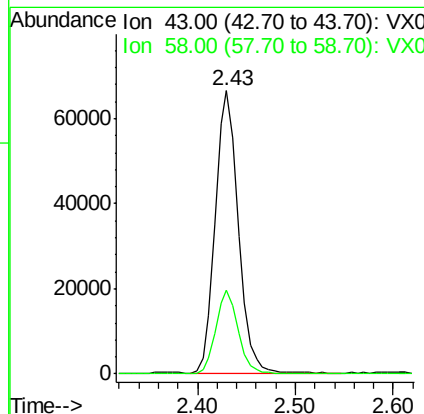
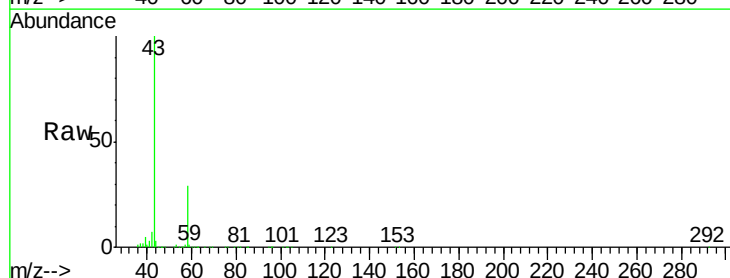
RT: 2.43 min Scan# 253

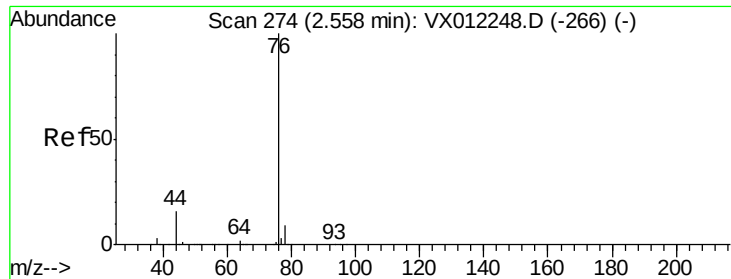
Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion:	43	Resp:	107778
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





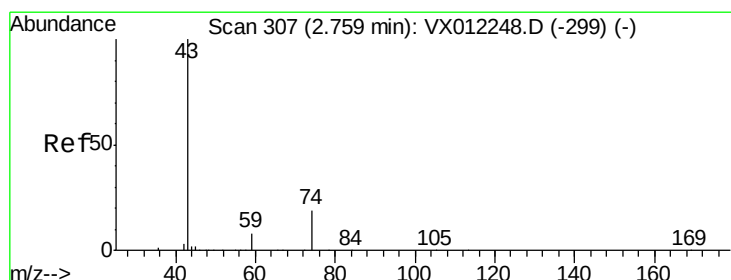
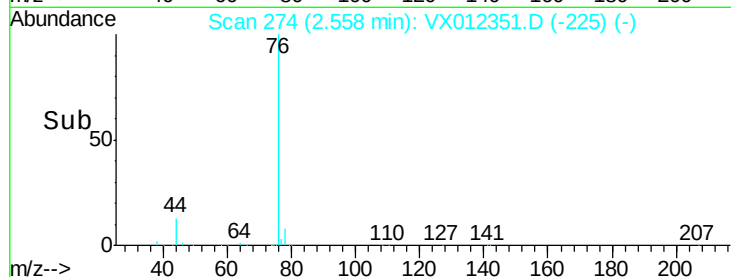
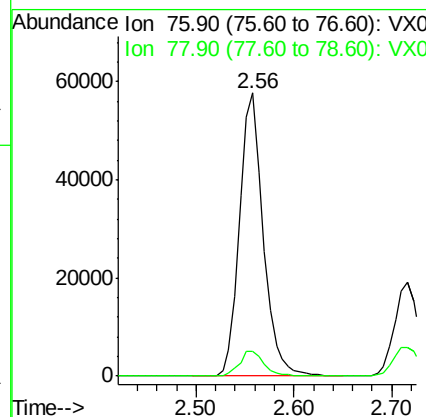
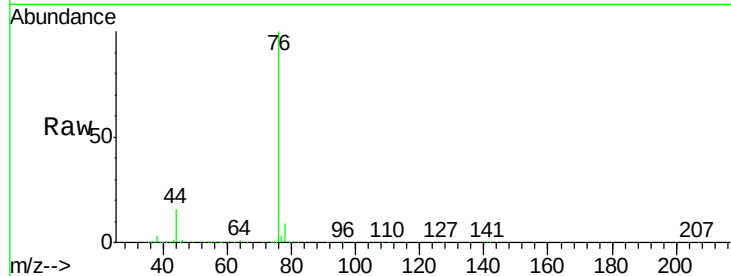
#17
Carbon Disulfide
Concen: 42.312 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

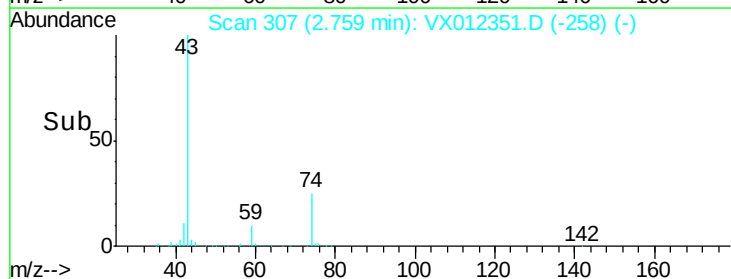
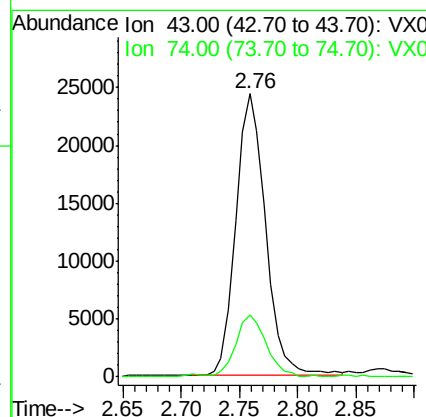
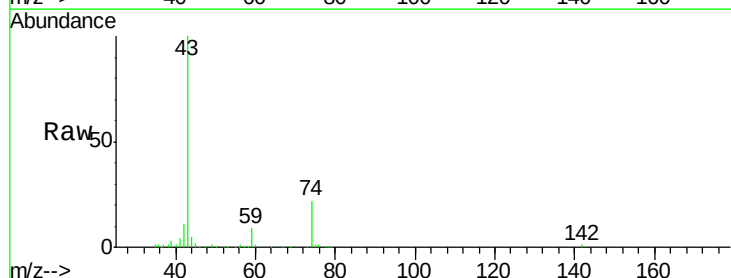
Manual Integrations
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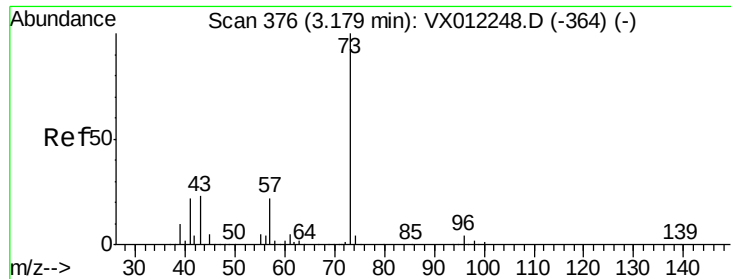
MMDadoda
9/13/2019 10:11:50 AM



#18
Methyl Acetate
Concen: 42.597 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.3	27.5





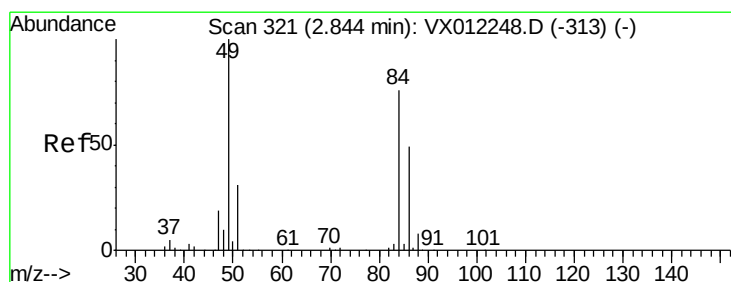
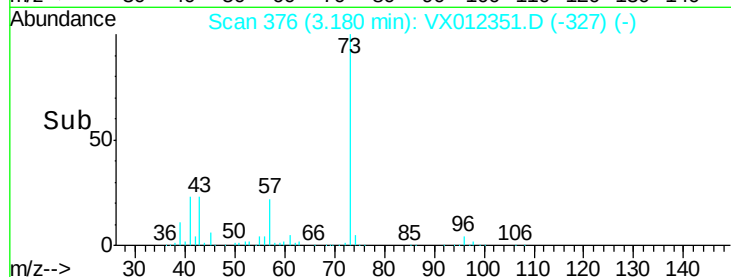
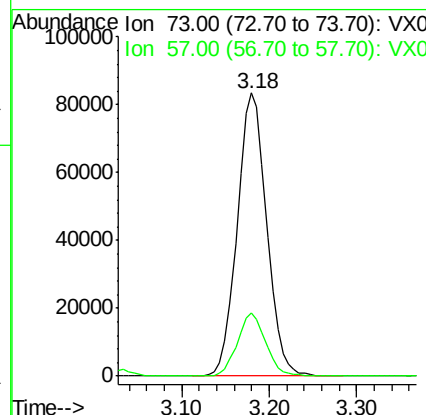
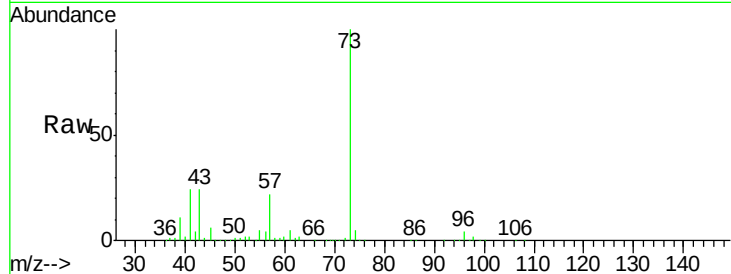
#19
Methyl tert-butyl Ether
Concen: 45.099 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.4	17.7	26.5

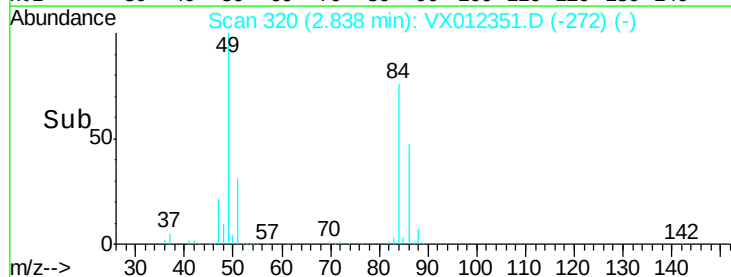
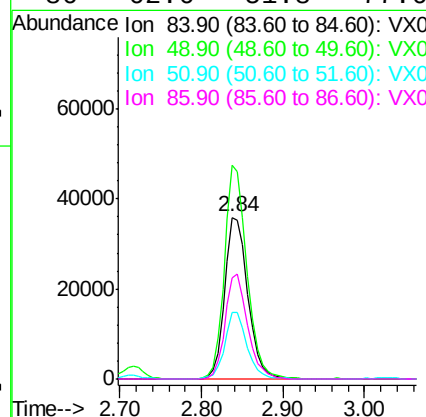
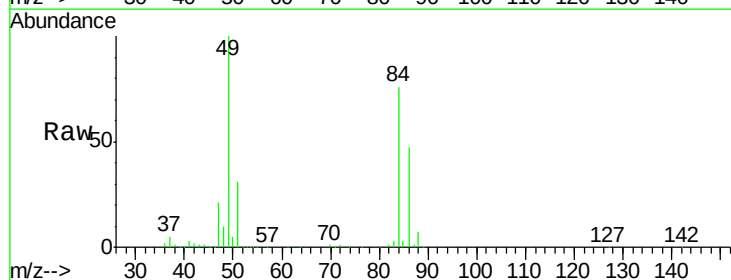
Manual Integrations
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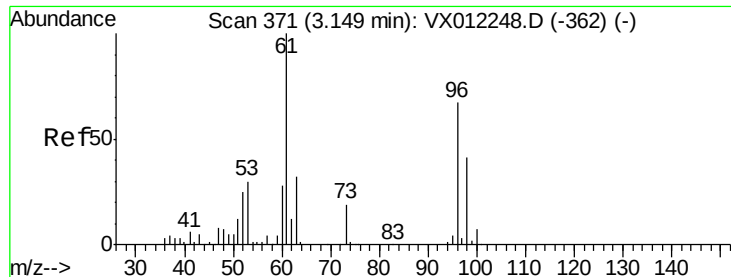
MMDadoda
9/13/2019 10:11:50 AM



#20
Methylene Chloride
Concen: 46.526 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	131.9	105.0	157.6
51	51	41.4	32.6	48.8
86	86	62.6	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 45.940 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 60029

Ion Ratio Lower Upper

96 100

61 143.0 119.4 179.2

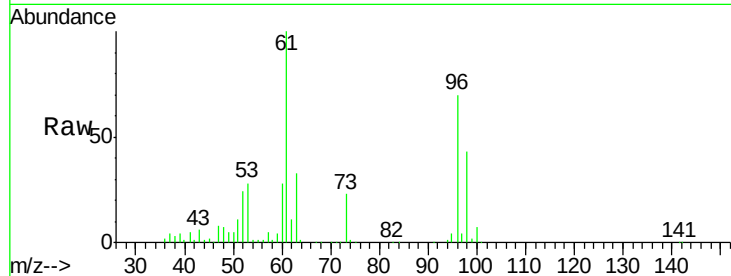
98 61.8 48.4 72.6

Manual Integrations

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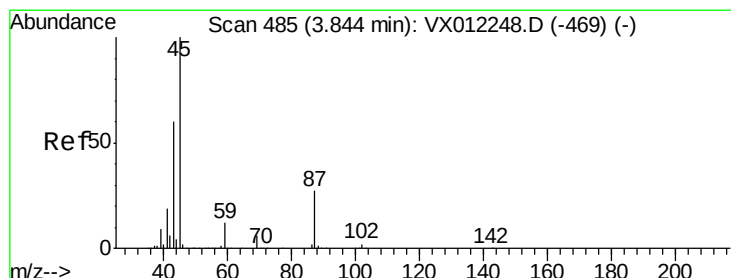
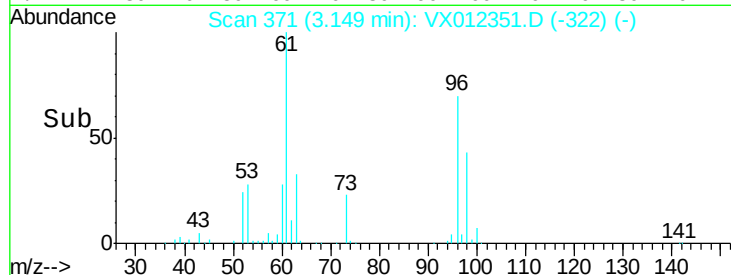
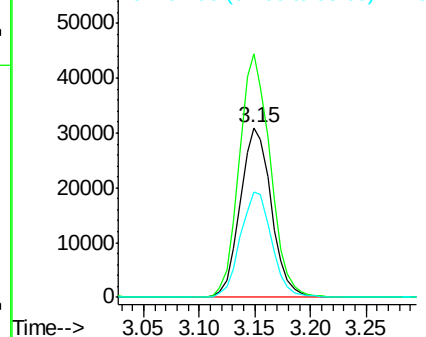


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.543 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion: 45 Resp: 237680

Ion Ratio Lower Upper

45 100

43 59.4 48.3 72.5

87 26.9 21.8 32.8

59 11.0 9.1 13.7

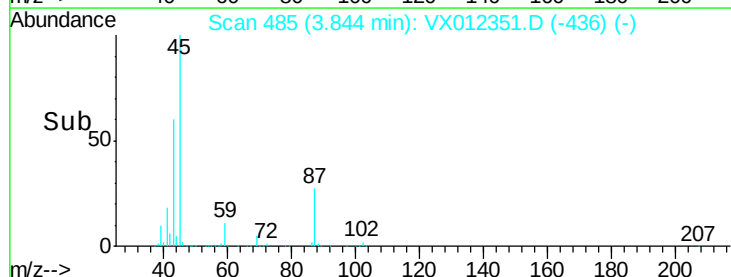
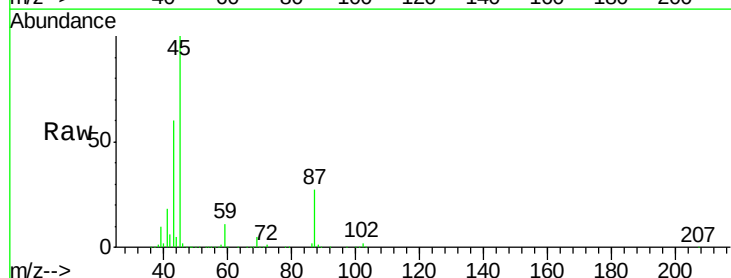
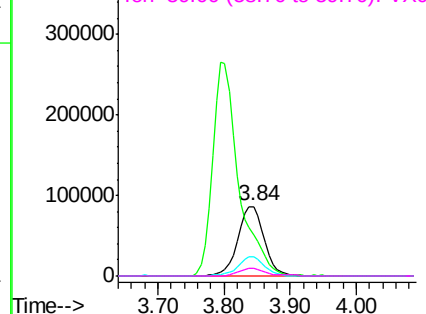
Abundance

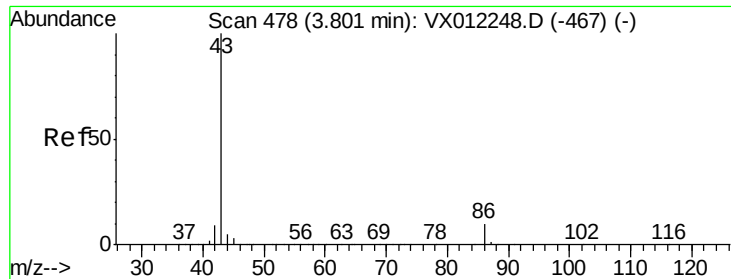
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 231.074 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 723992

Ion Ratio Lower Upper

43 100

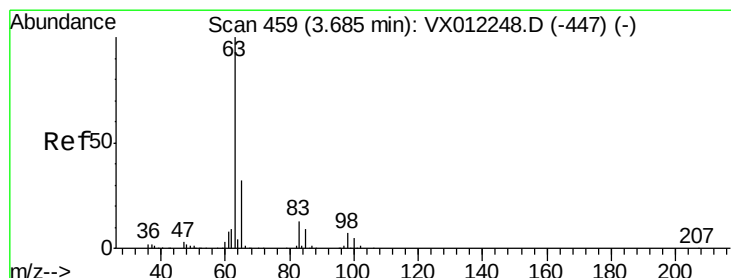
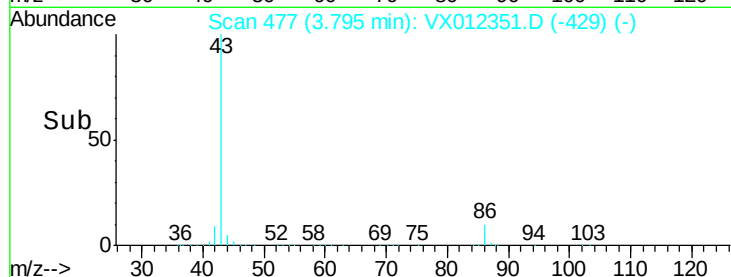
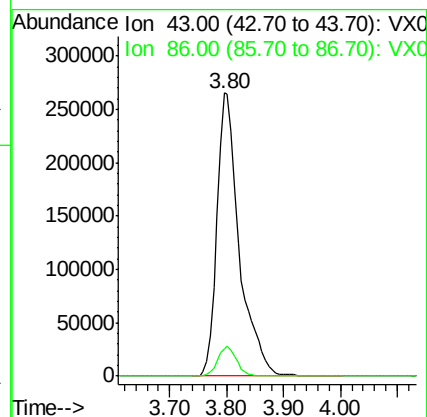
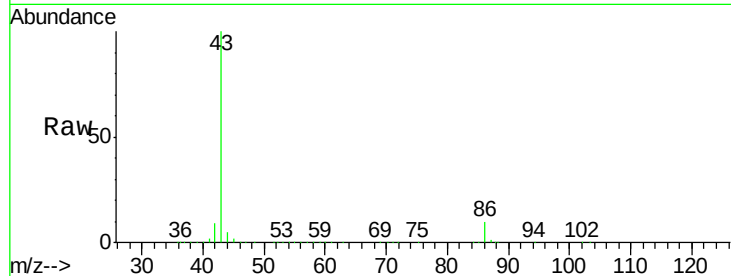
86 9.7 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.823 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

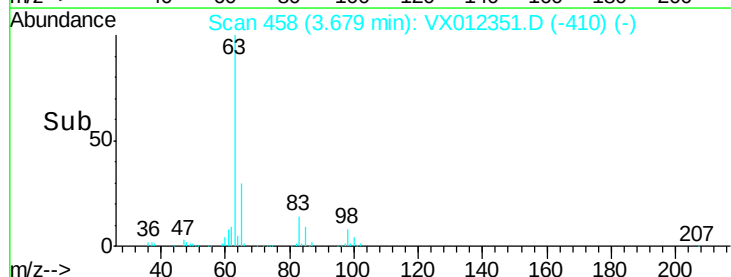
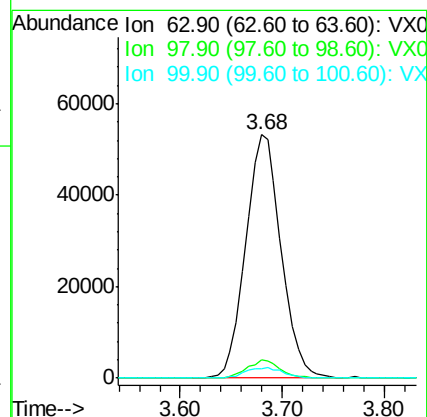
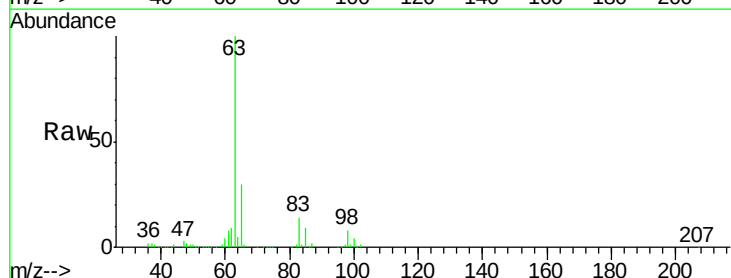
Tgt Ion: 63 Resp: 128078

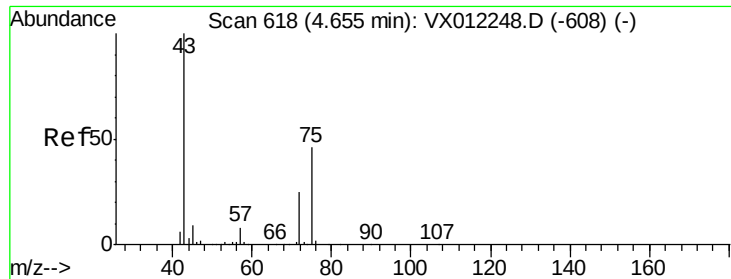
Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 3.7 2.4 7.2





#25

2-Butanone

Concen: 219.386 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 135859

Ion Ratio Lower Upper

43 100

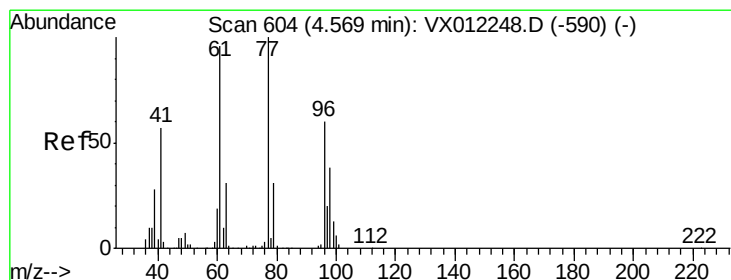
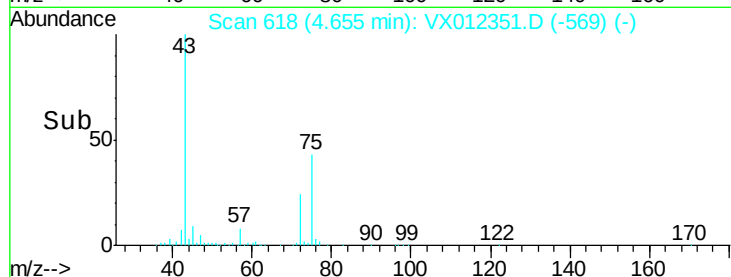
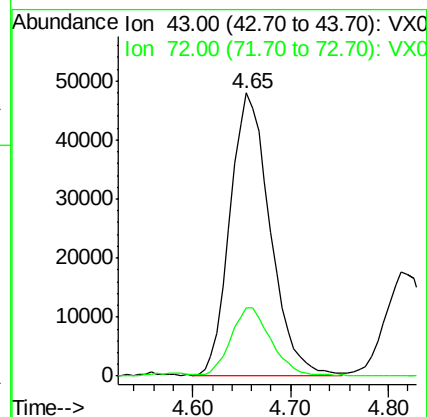
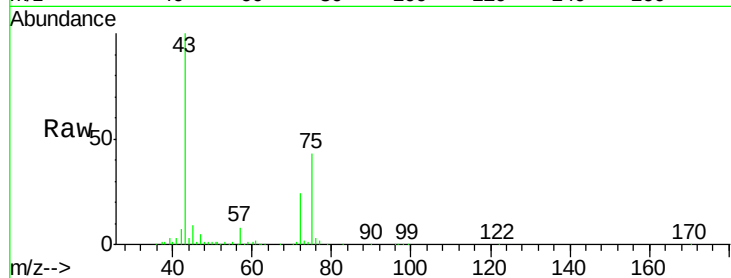
72 24.0 20.2 30.2

Manual Integrations

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MMDadoda

9/13/2019 10:11:50 AM



#26

2,2-Dichloropropane

Concen: 46.309 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012351.D

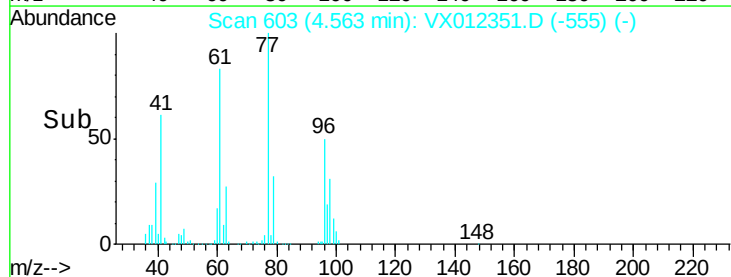
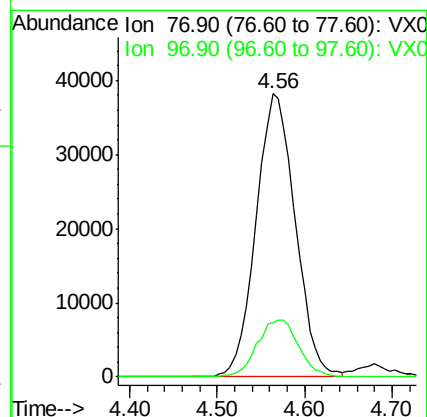
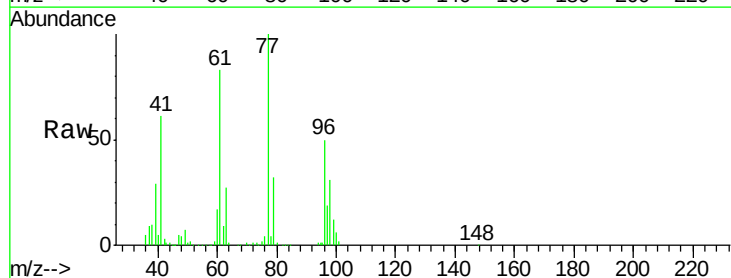
Acq: 12 Sep 2019 16:53

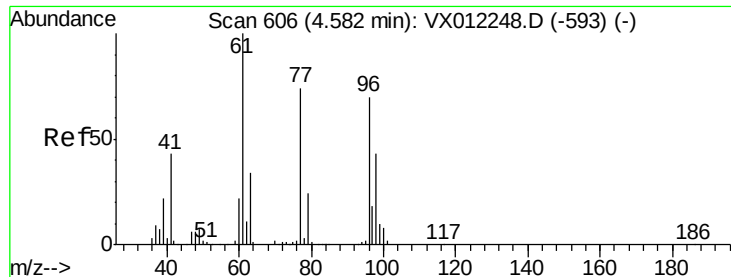
Tgt Ion: 77 Resp: 118925

Ion Ratio Lower Upper

77 100

97 21.3 10.7 32.1





#27

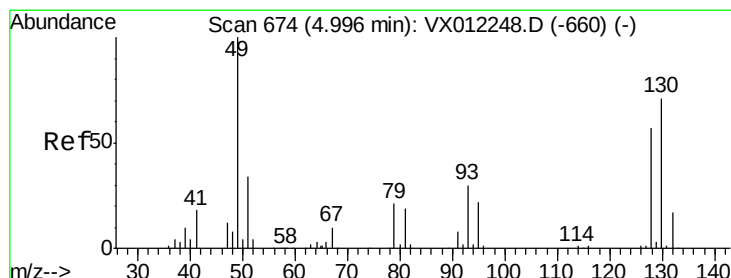
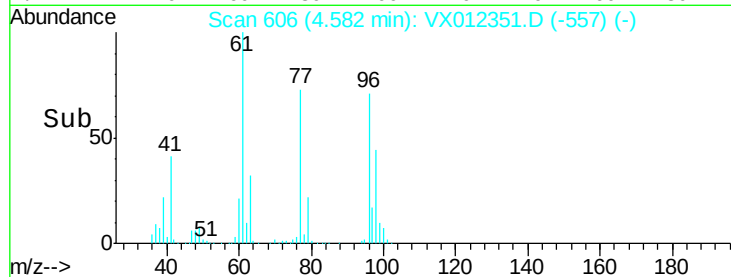
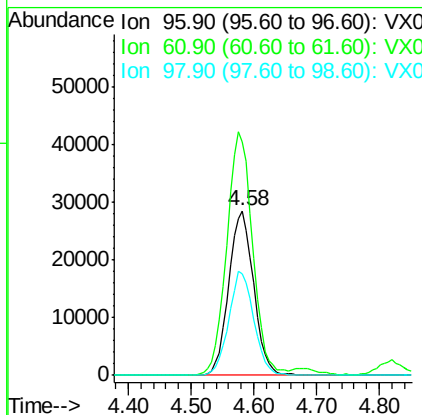
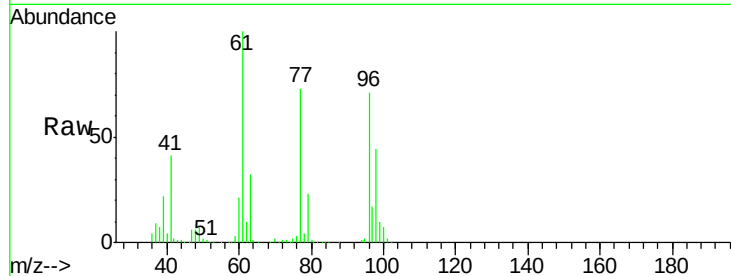
cis-1,2-Dichloroethene
Concen: 46.705 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	310.4
98	63.1	0.0	128.8

Manual Integrations
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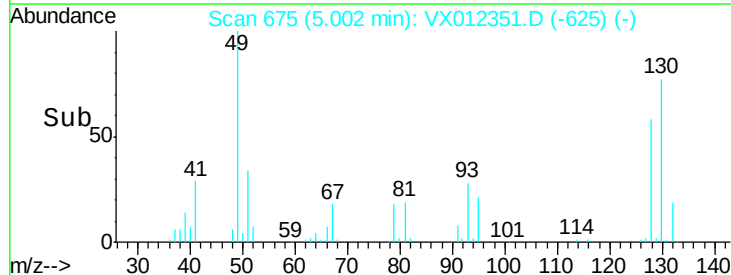
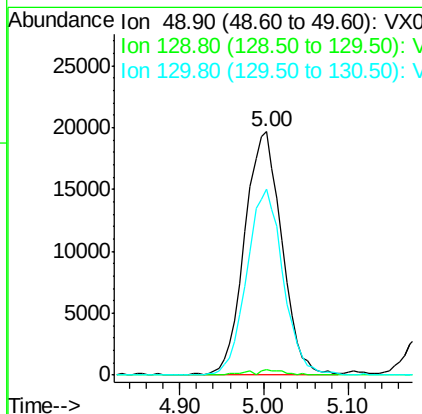
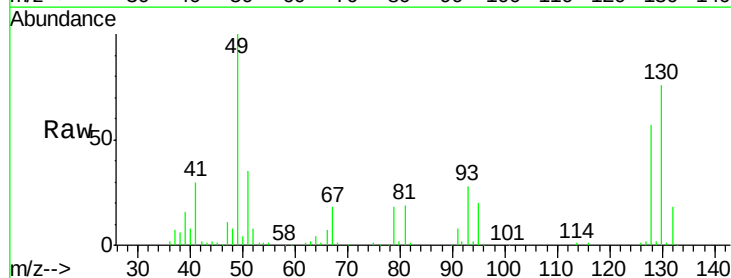
MMDadoda
9/13/2019 10:11:50 AM

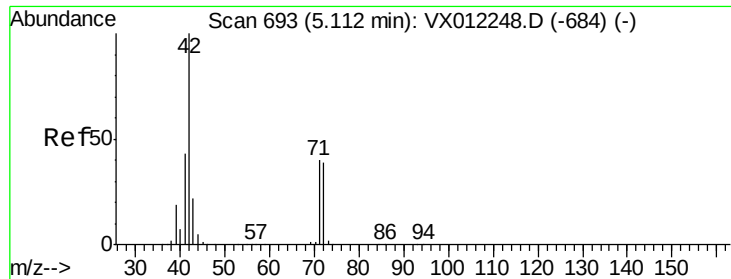


#28

Bromochloromethane
Concen: 46.046 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	5.2
130	74.8	60.1	90.1





#29

Tetrahydrofuran

Concen: 225.193 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

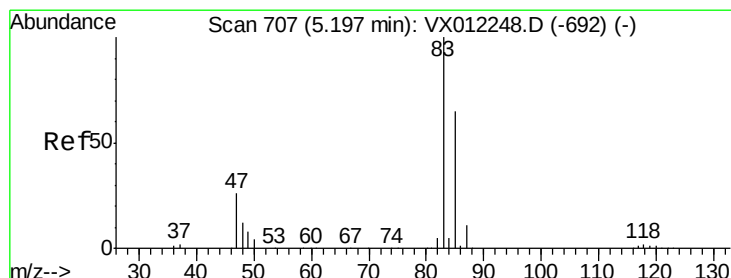
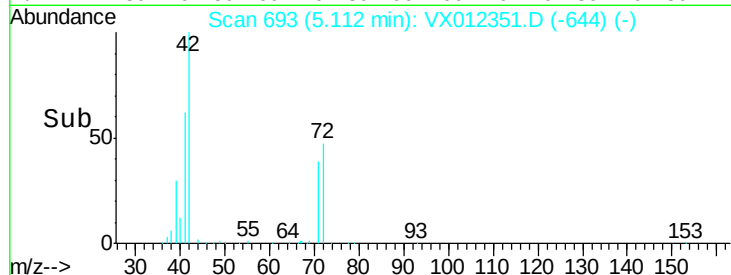
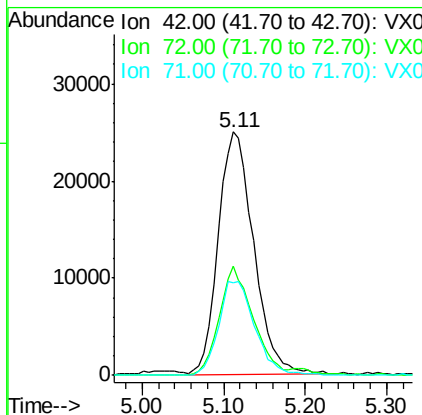
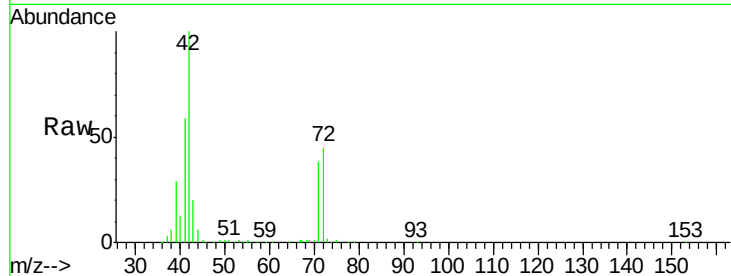
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	75242
Ion	Ratio	Lower	Upper
42	100		
72	42.6	35.2	52.8
71	40.0	32.5	48.7

Manual Integrations
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9/13/2019 10:11:50 AM



#30

Chloroform

Concen: 46.028 ug/l

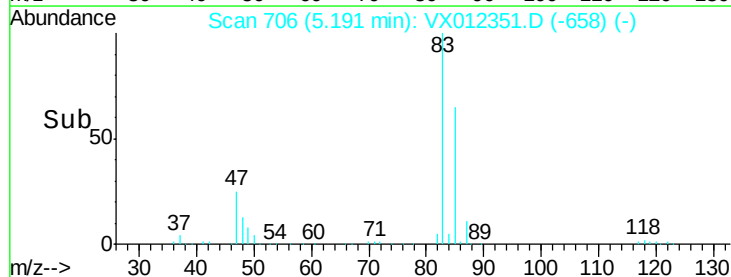
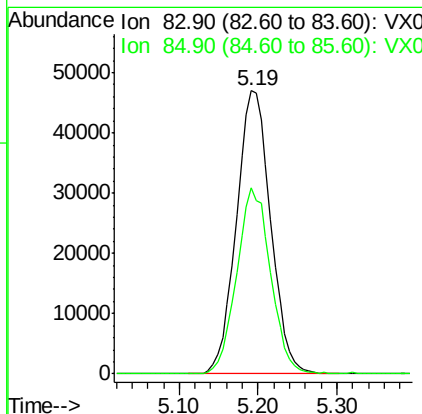
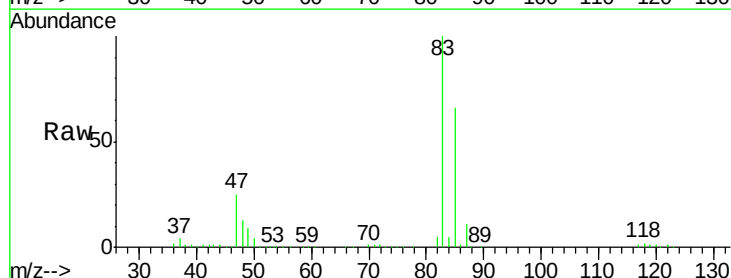
RT: 5.19 min Scan# 706

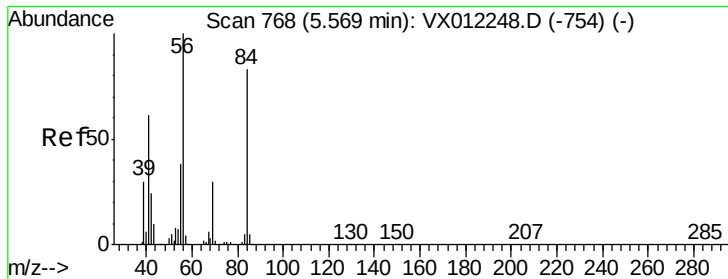
Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion:	83	Resp:	141973
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.3	78.5





#31

Cyclohexane

Concen: 44.924 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

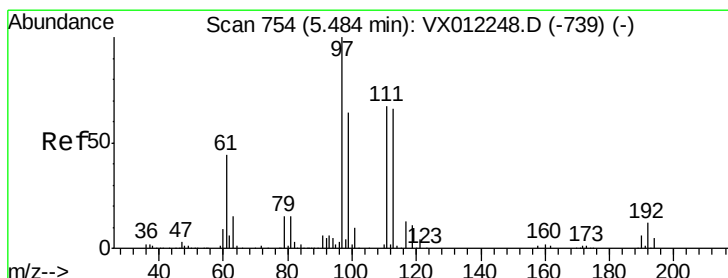
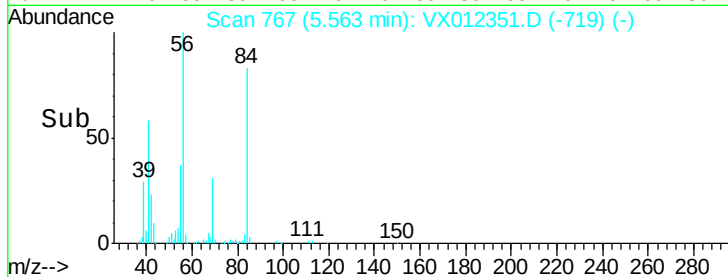
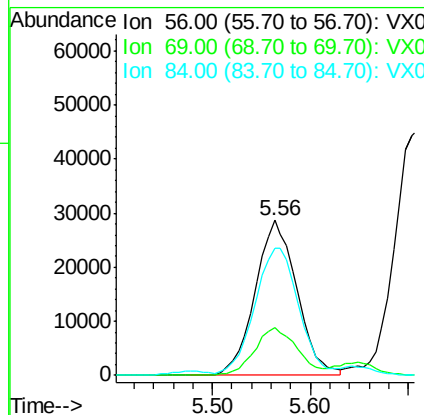
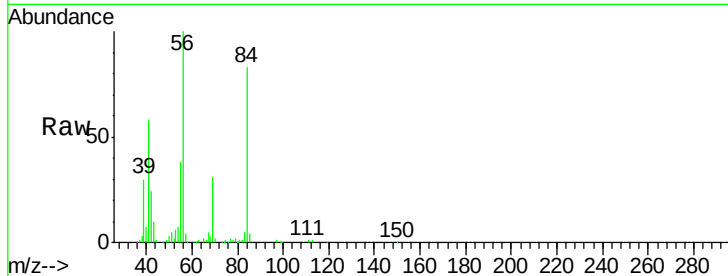
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	85360
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.8	35.6
84	80.0	66.6	100.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.403 ug/l

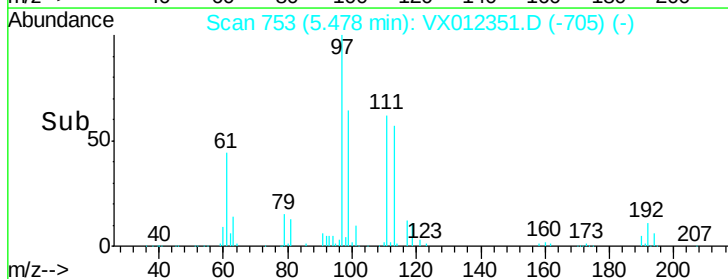
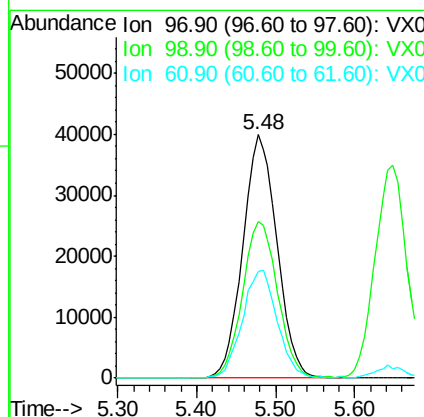
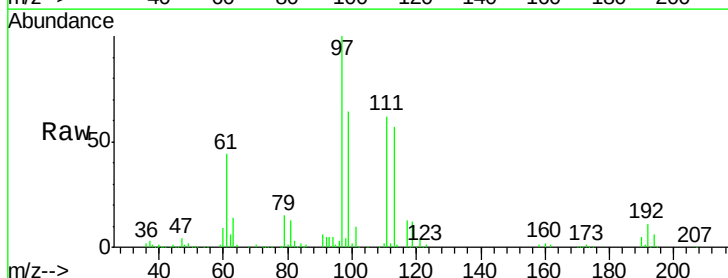
RT: 5.48 min Scan# 753

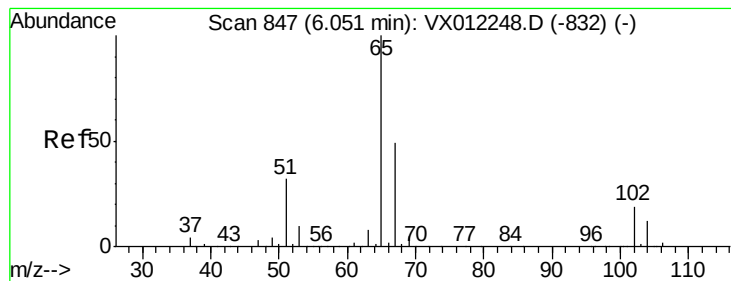
Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion:	97	Resp:	120252
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.3	76.9
61	45.3	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 44.180 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 90406

Ion Ratio Lower Upper

65 100

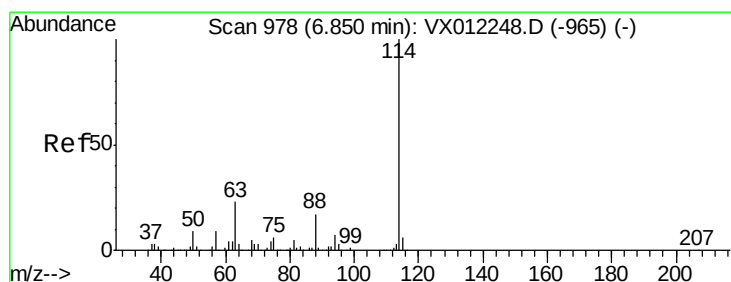
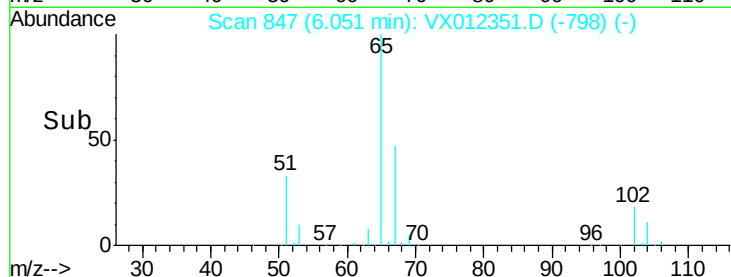
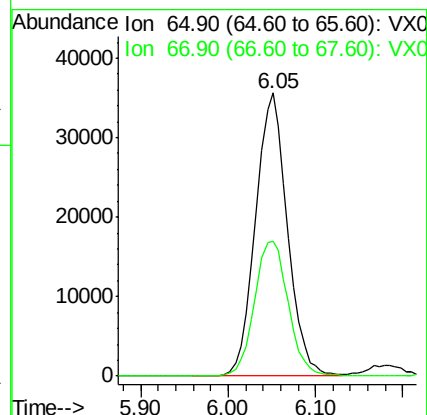
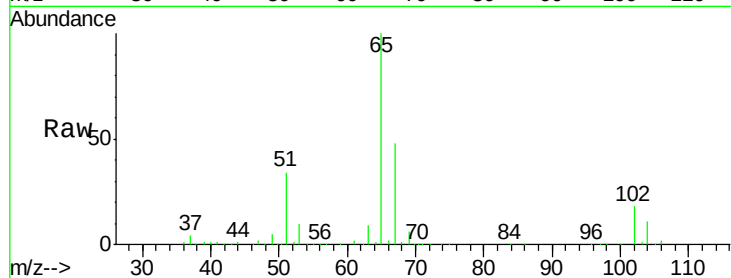
67 50.6 0.0 99.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

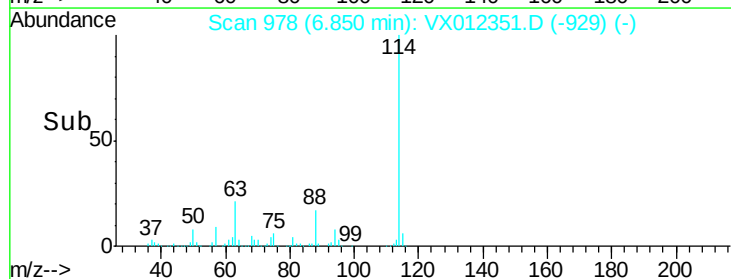
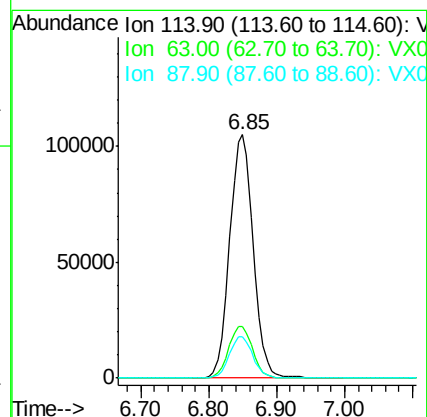
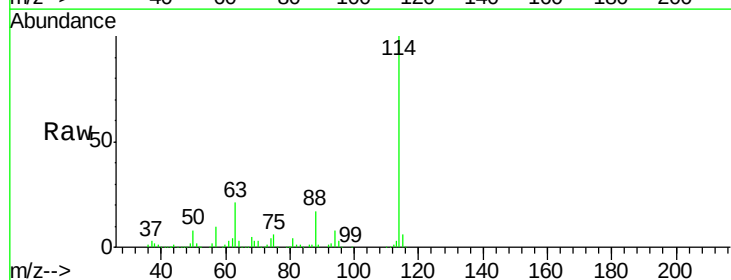
Tgt Ion: 114 Resp: 251350

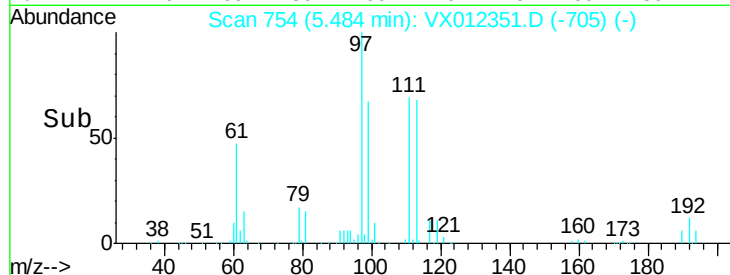
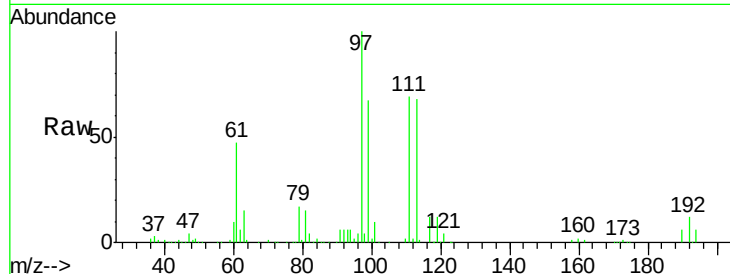
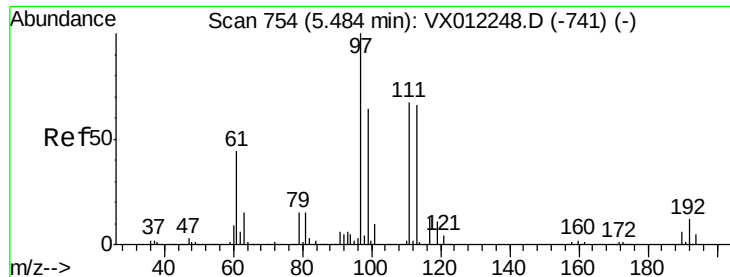
Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.2

88 17.0 0.0 34.8





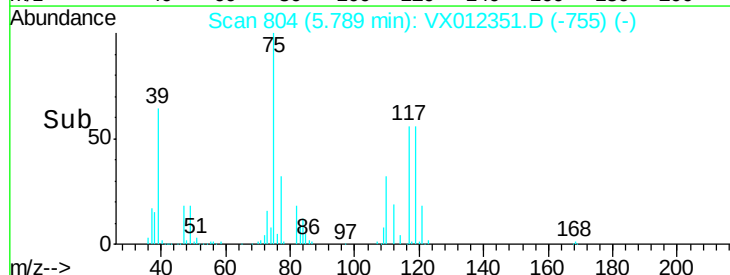
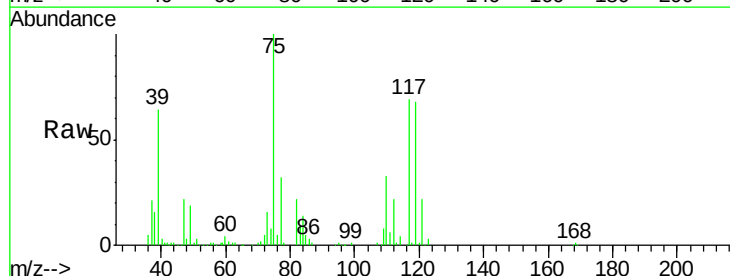
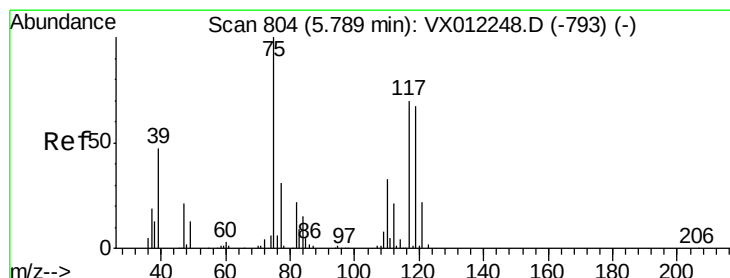
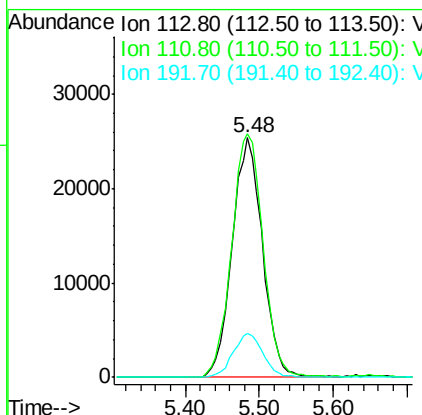
#35
Dibromofluoromethane
Concen: 44.912 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tot Ion	Ratio	Resp	Lower	Upper
113	100	72366		
111	105.0	83.0	124.6	
192	18.1	14.3	21.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

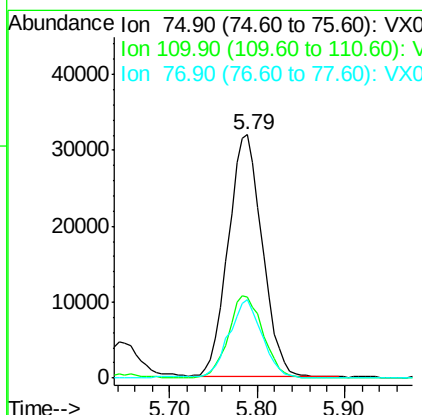
Manual Integrations
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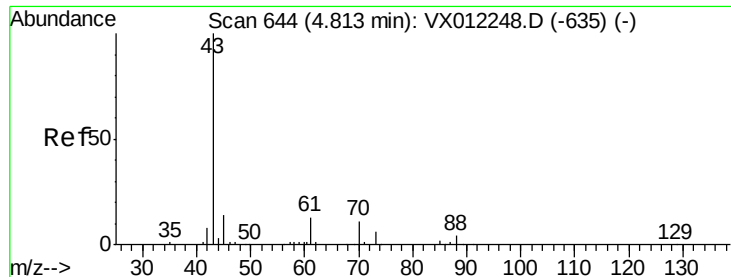
MMDadoda
9/13/2019 10:11:50 AM



#36
1,1-Dichloropropene
Concen: 47.386 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86847		
110	34.5	16.8	50.4	
77	31.6	24.5	36.7	





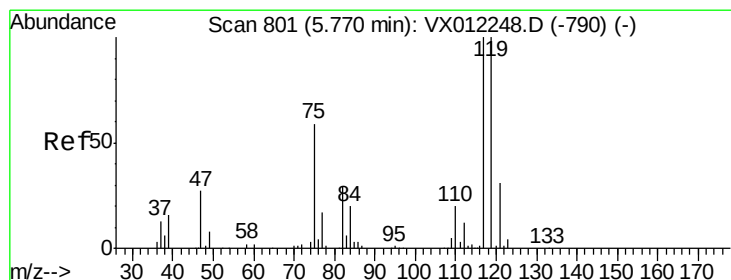
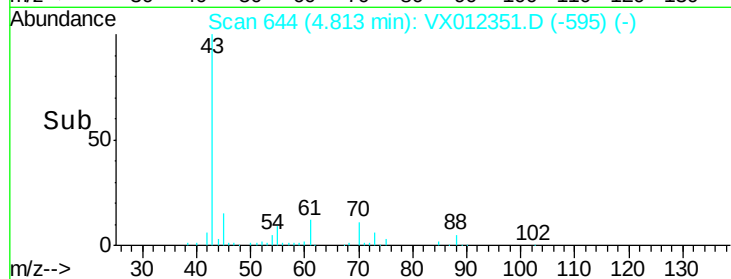
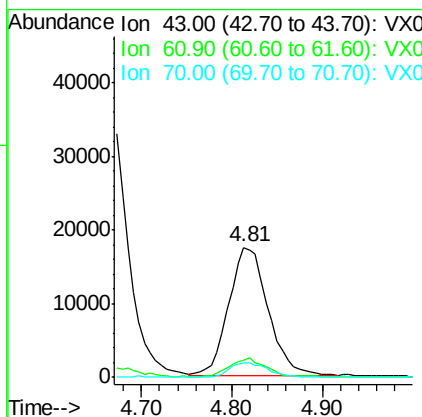
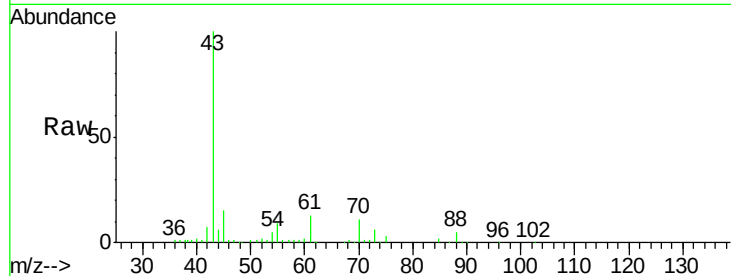
#37
Ethyl Acetate
Concen: 46.037 ug/l
RT: 4.81 min Scan# 644
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	11.3	9.1	13.7

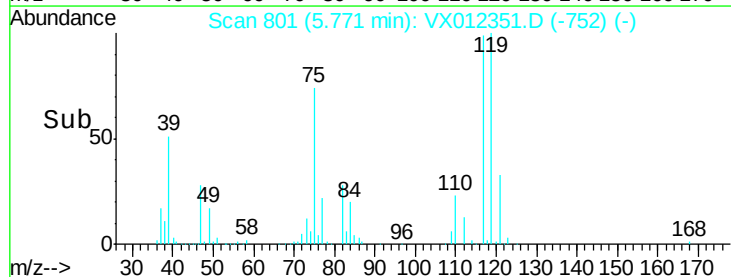
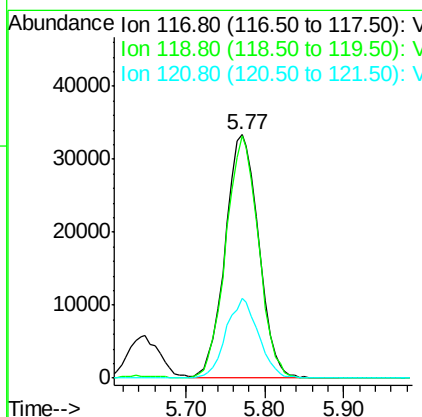
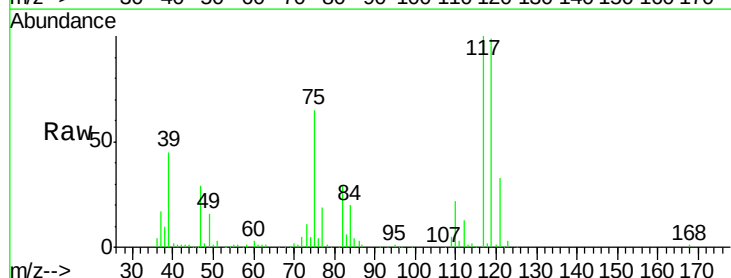
Manual Integrations
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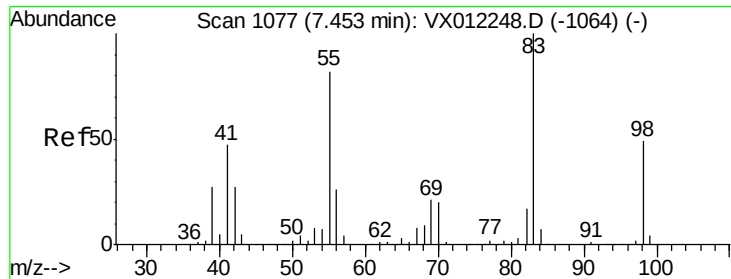
MMDadoda
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#38
Carbon Tetrachloride
Concen: 45.959 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	79.6	119.4
121	32.8	24.7	37.1





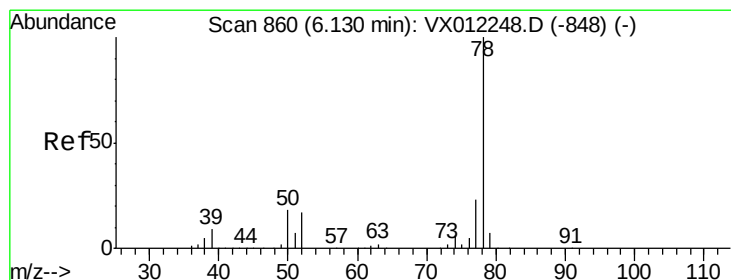
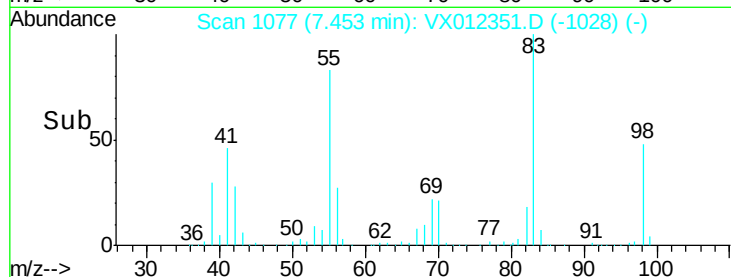
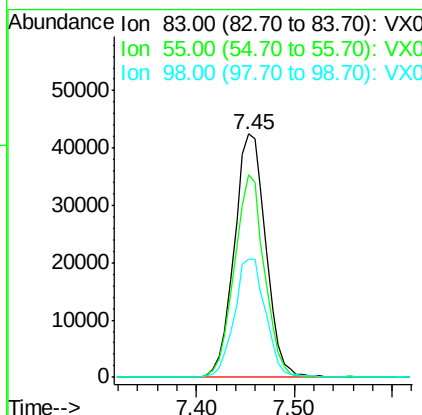
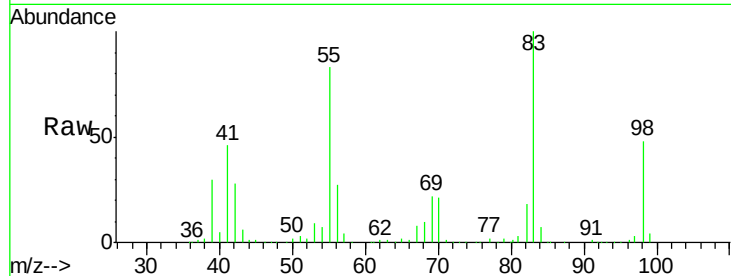
#39
Methylvlcyclohexane
Concen: 47.161 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	65.4	98.2
98	48.3	39.6	59.4

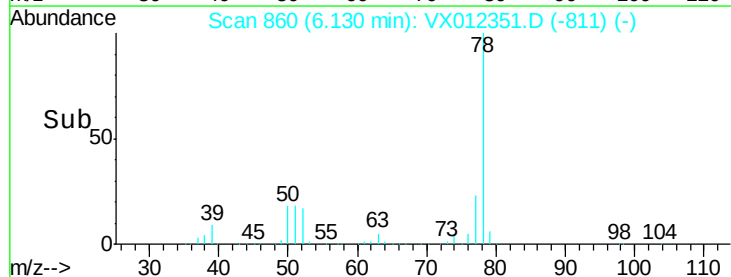
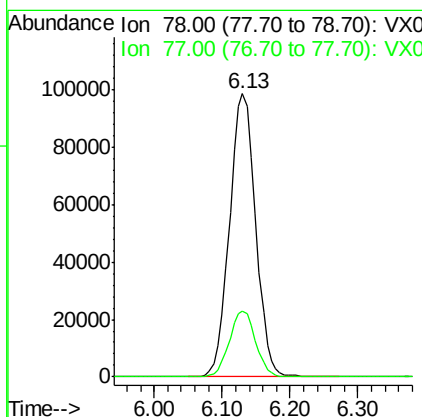
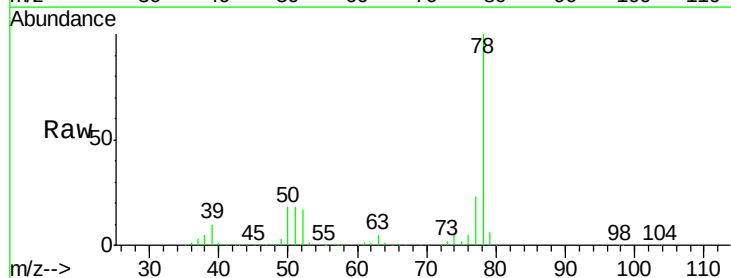
Manual Integrations
APPROVED

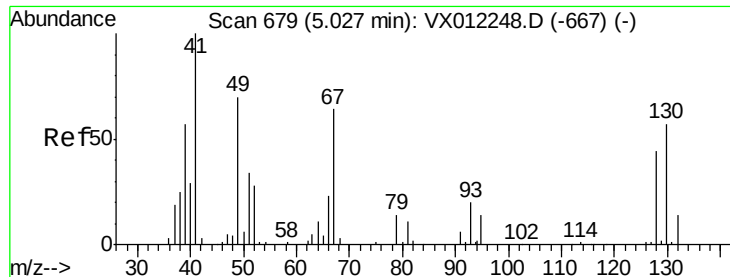
MMDadoda
9/13/2019 10:11:50 AM



#40
Benzene
Concen: 47.291 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.0	27.0





#41

Methacrylonitrile

Concen: 47.251 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 33002

Ion Ratio Lower Upper

41 100

39 58.7 49.0 73.4

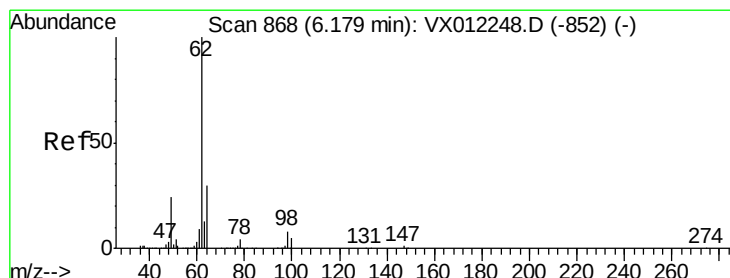
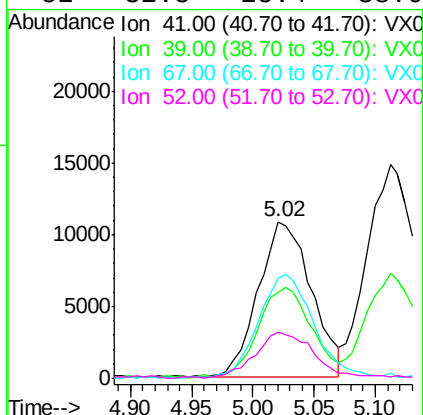
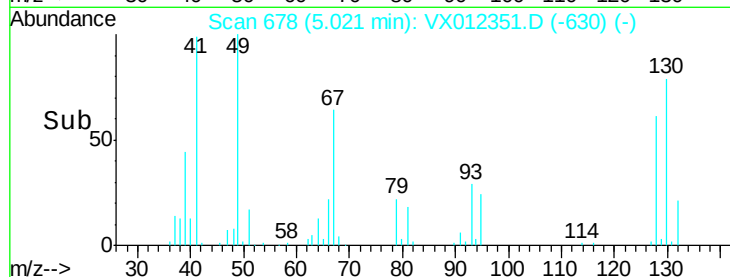
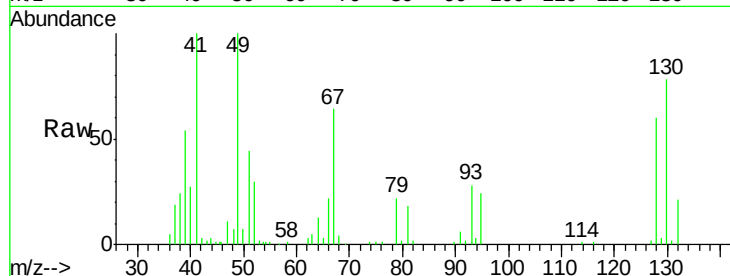
67 69.1 55.0 82.4

52 32.5 25.4 38.0

Manual Integrations
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MMDadoda

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#42

1,2-Dichloroethane

Concen: 46.587 ug/l

RT: 6.18 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX012351.D

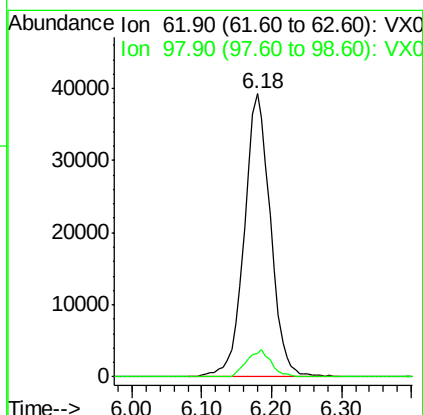
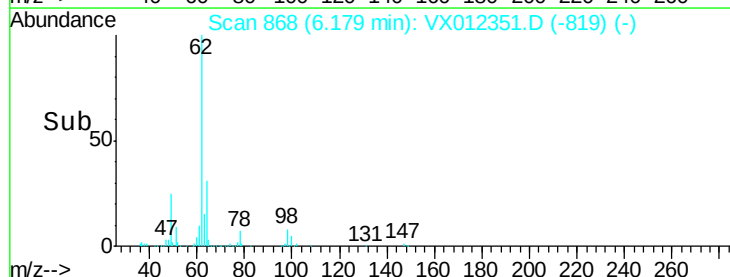
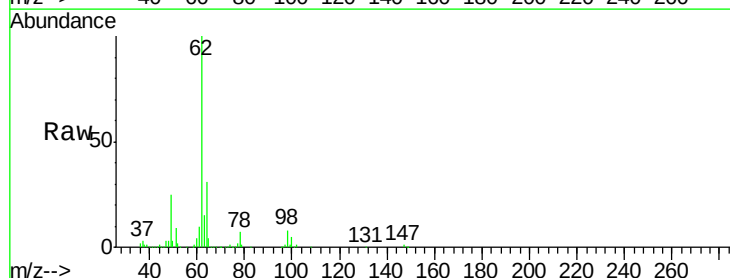
Acq: 12 Sep 2019 16:53

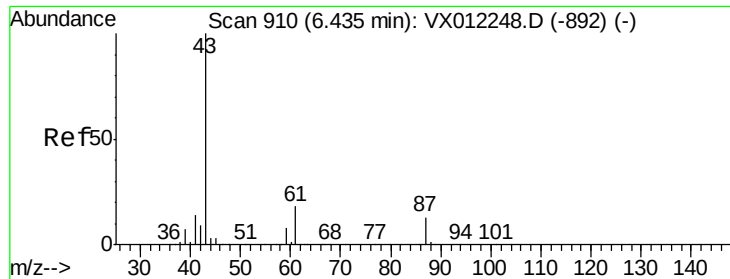
Tgt Ion: 62 Resp: 102135

Ion Ratio Lower Upper

62 100

98 9.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 45.041 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

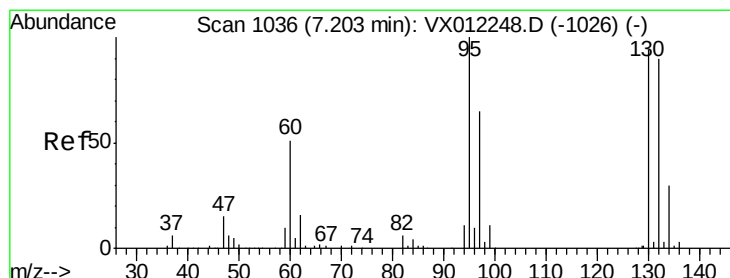
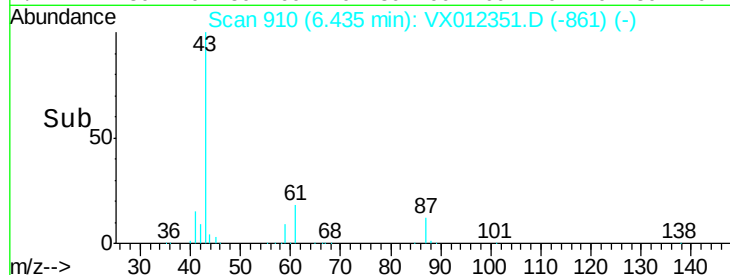
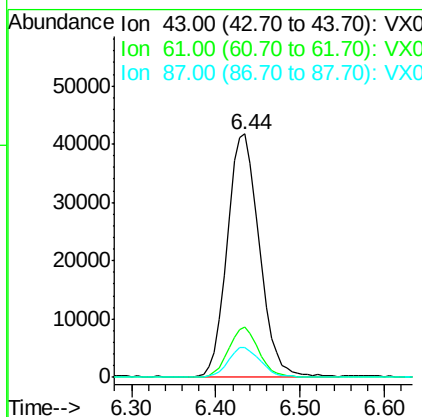
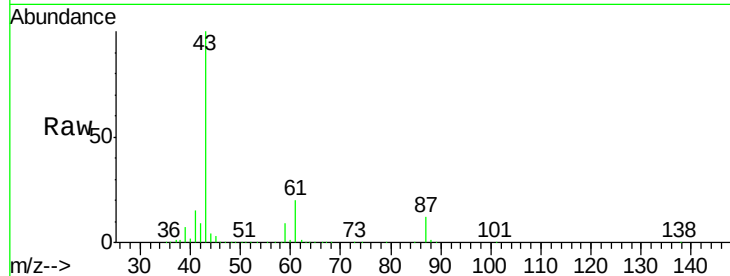
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	107585
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.2
87	12.4	10.5	15.7

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#44

Trichloroethene

Concen: 48.257 ug/l

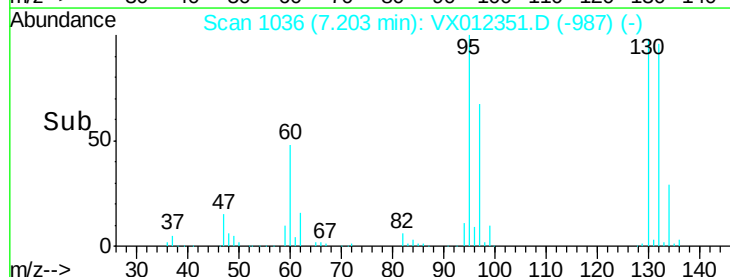
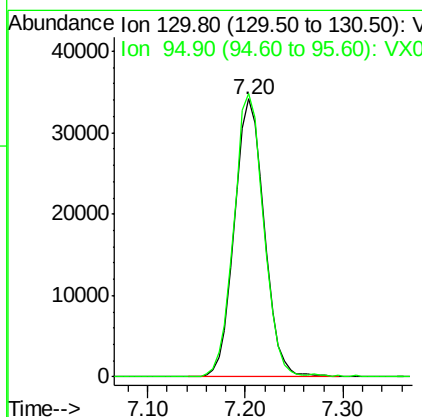
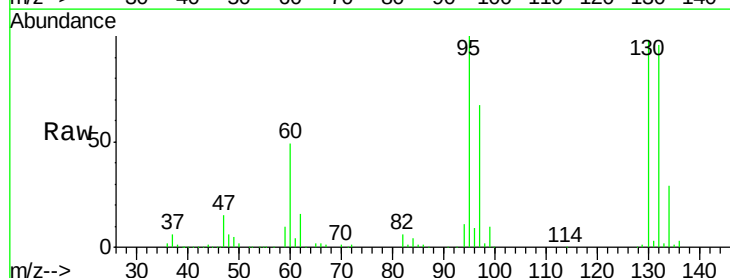
RT: 7.20 min Scan# 1036

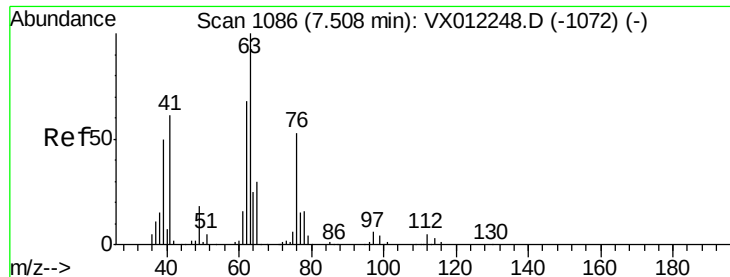
Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion:	130	Resp:	72442
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	212.0





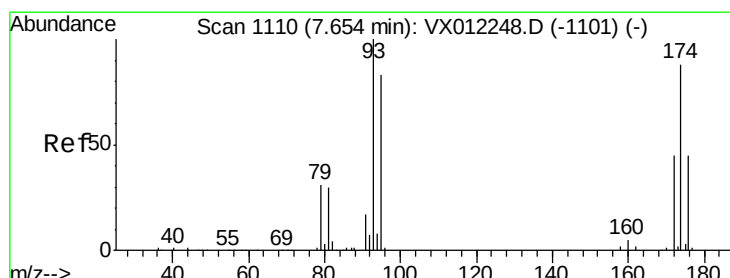
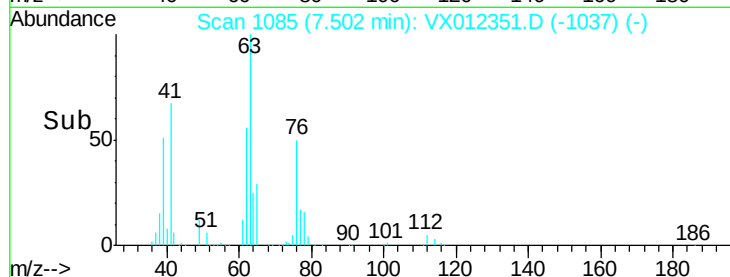
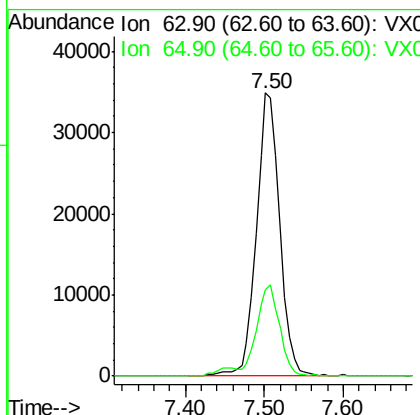
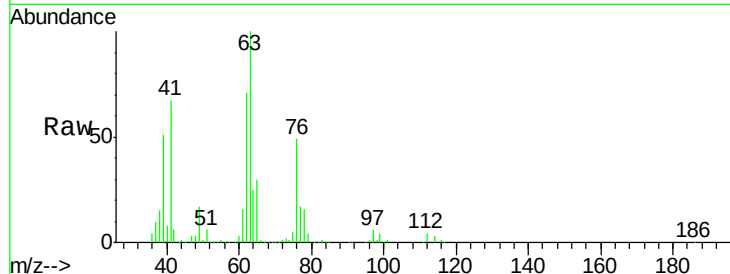
#45
 1,2-Dichloropropane
 Concen: 46.678 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 71669
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5

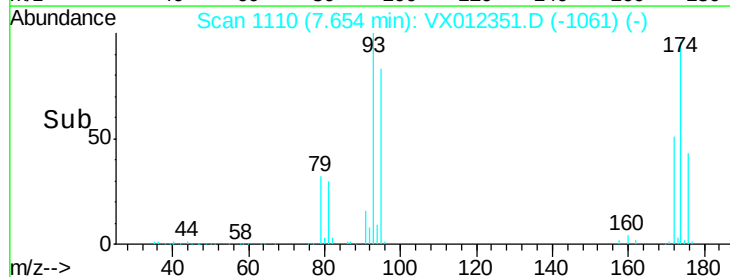
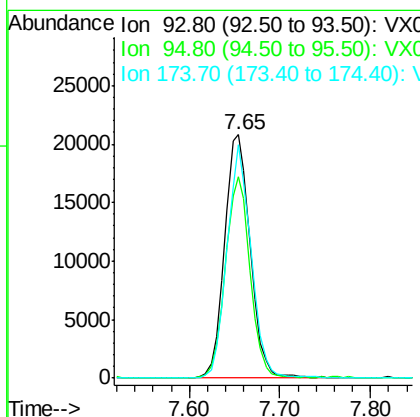
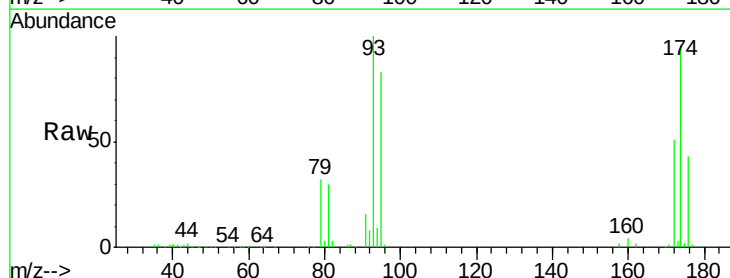
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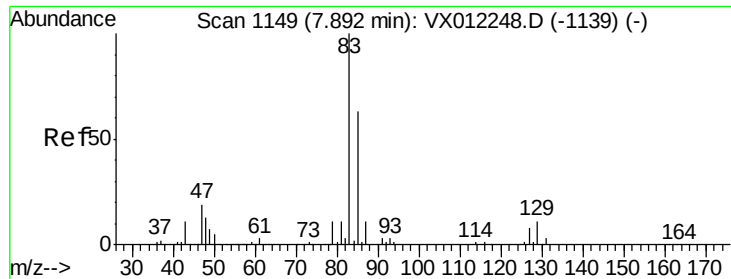
MMDadoda
 9/13/2019 10:11:50 AM



#46
 Dibromomethane
 Concen: 48.700 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion: 93 Resp: 40867
 Ion Ratio Lower Upper
 93 100
 95 79.7 65.7 98.5
 174 89.9 71.0 106.4





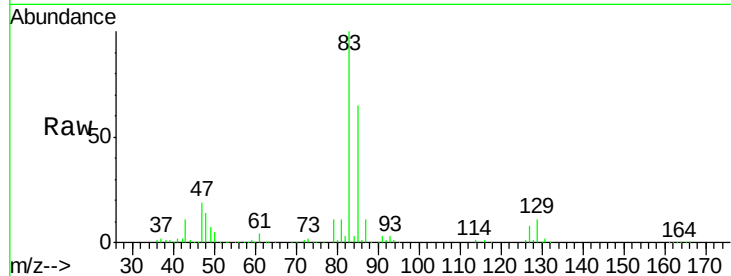
#47
Bromodichloromethane
Concen: 46.303 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

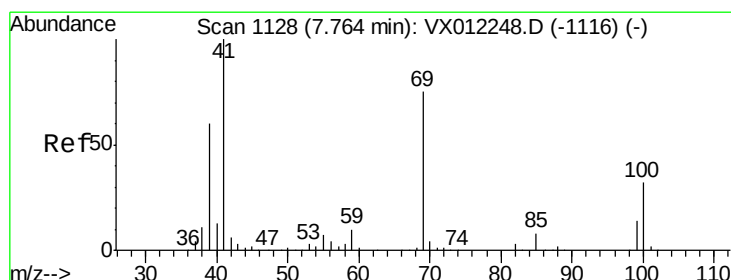
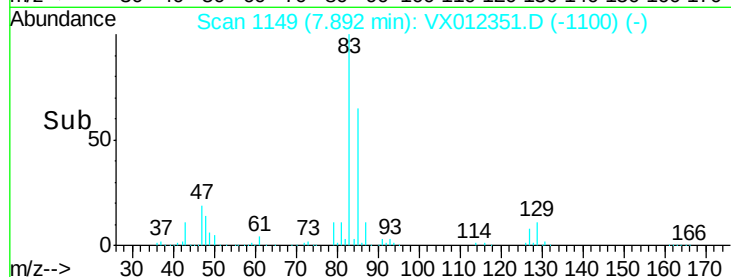
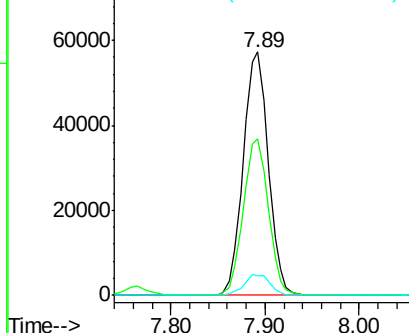
Tot Ion	83	Resp	106036
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	50.2	75.4
127	8.3	6.3	9.5

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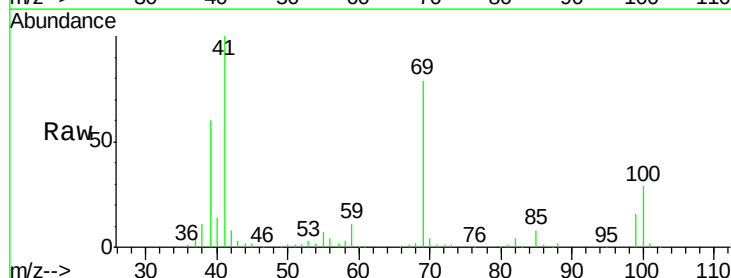


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

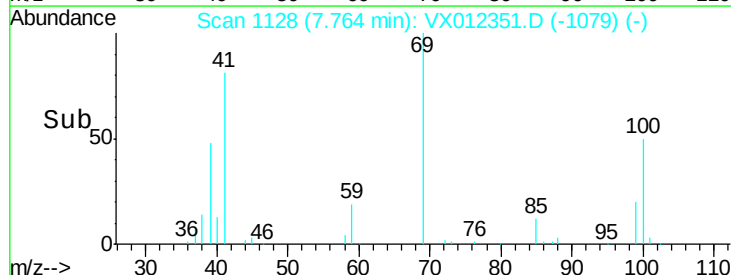
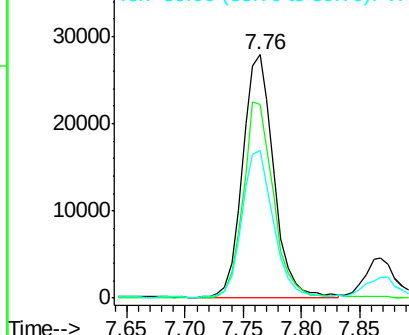


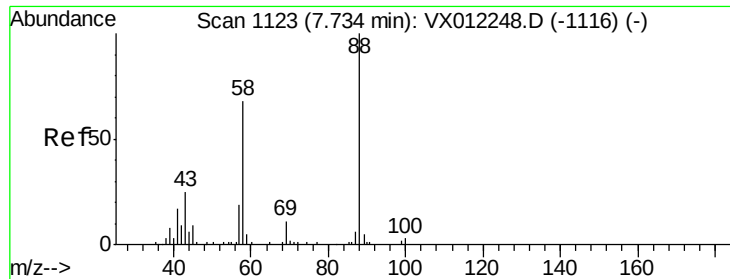
#48
Methyl methacrylate
Concen: 45.106 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	41	Resp	51570
Ion Ratio	100	Lower	Upper
41	100		
69	79.2	61.8	92.6
39	61.0	48.6	73.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





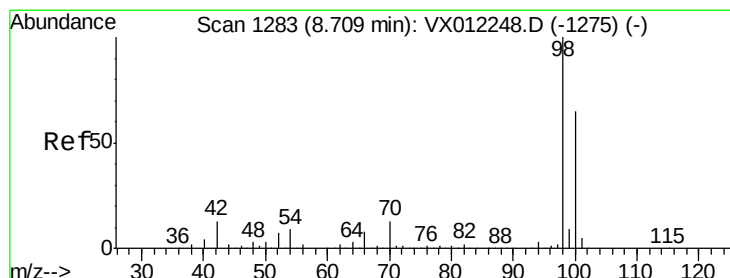
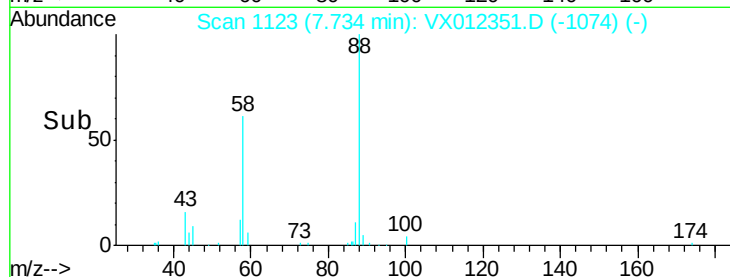
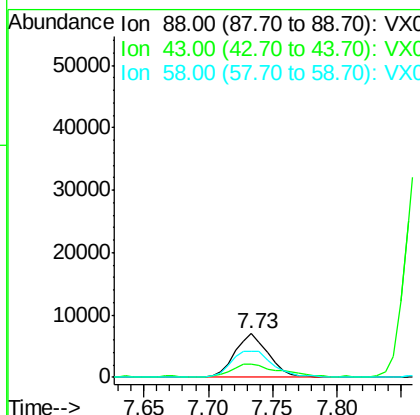
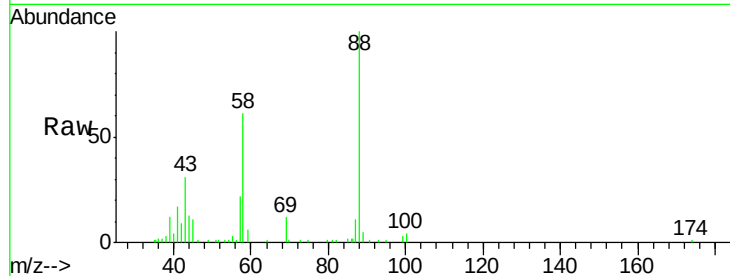
#49
1,4-Dioxane
Concen: 827.858 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	12772
Ion Ratio	Lower	Upper	
88	100		
43	40.0	31.0	46.4
58	76.8	61.5	92.3

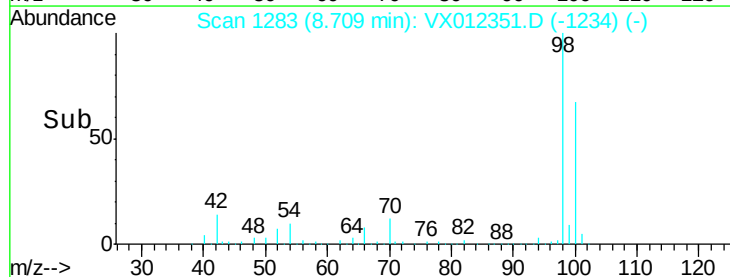
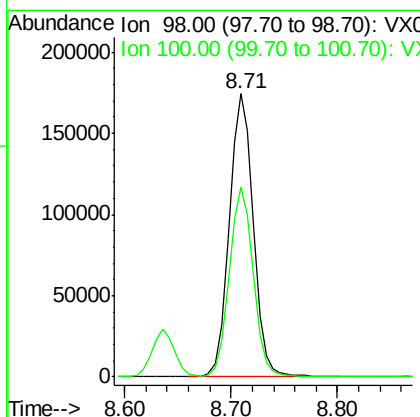
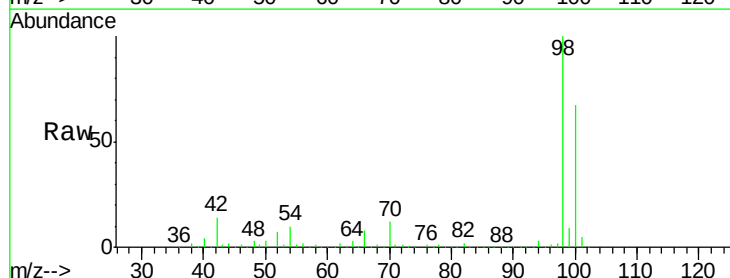
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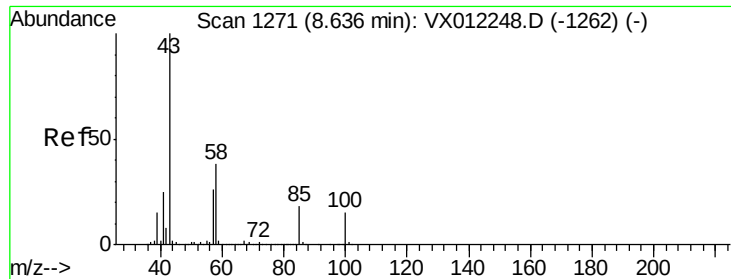
MMDadoda
9/13/2019 10:11:50 AM



#50
Toluene-d8
Concen: 48.592 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	98	Resp	274607
Ion Ratio	Lower	Upper	
98	100		
100	67.3	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 226.664 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 285743

Ion Ratio Lower Upper

43 100

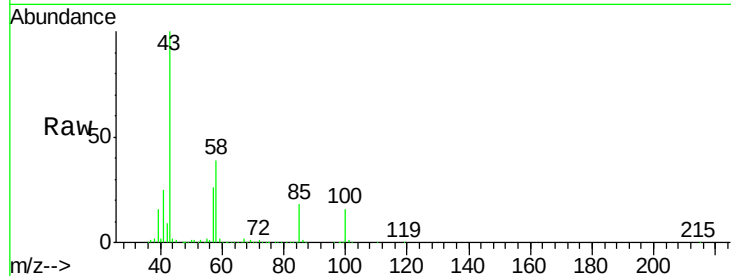
58 37.6 30.1 45.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

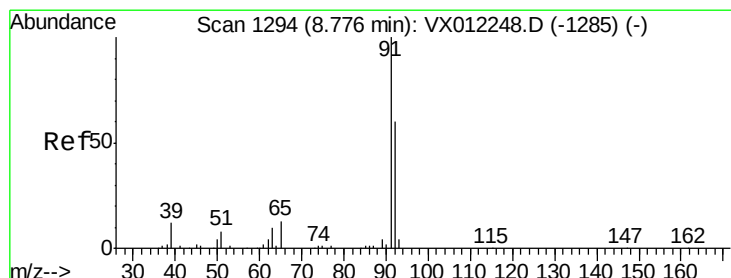
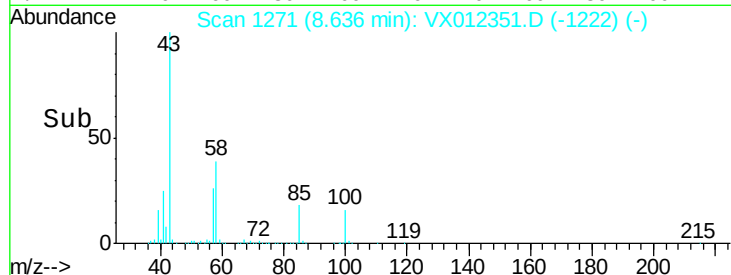
150000

100000

50000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 47.464 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012351.D

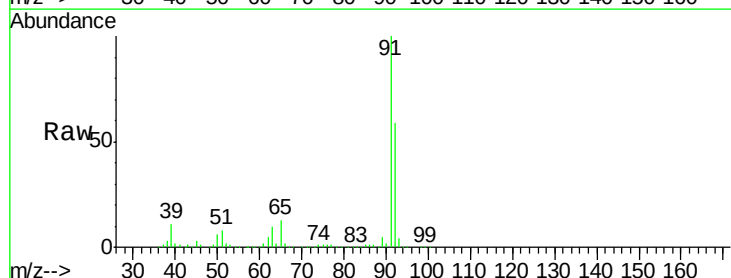
Acq: 12 Sep 2019 16:53

Tgt Ion: 92 Resp: 173902

Ion Ratio Lower Upper

92 100

91 167.9 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

200000

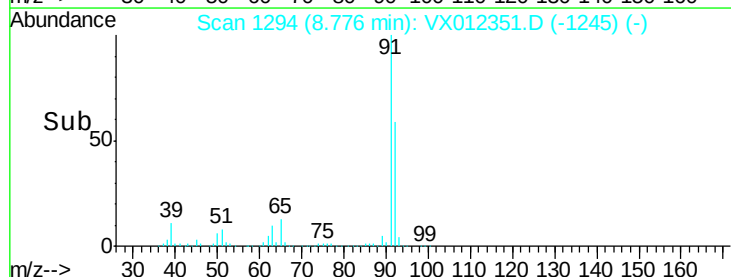
150000

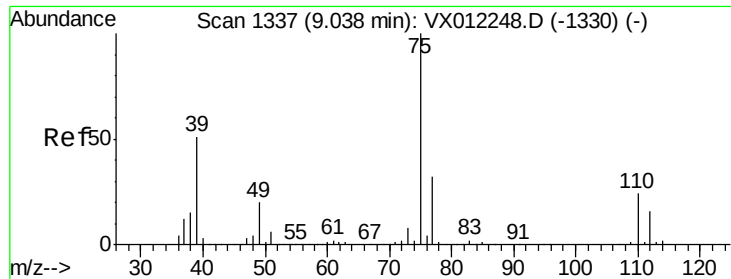
100000

50000

0

Time--> 8.70 8.80 8.90





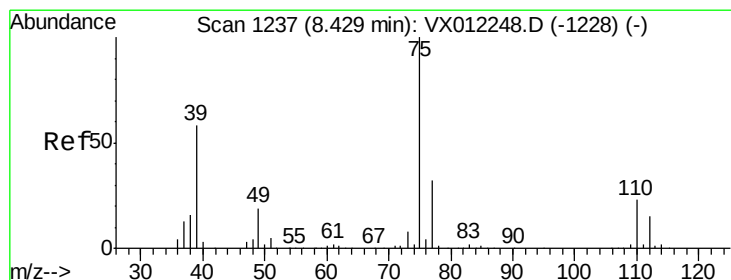
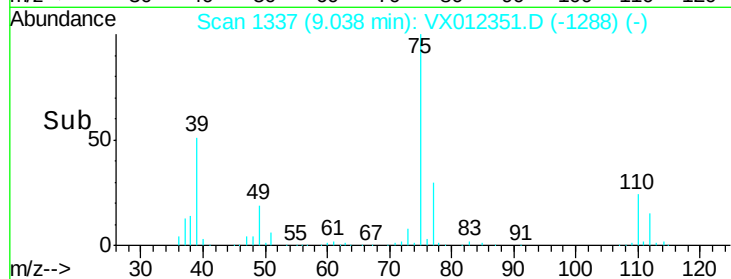
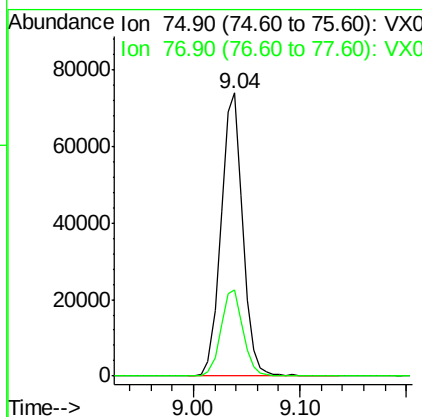
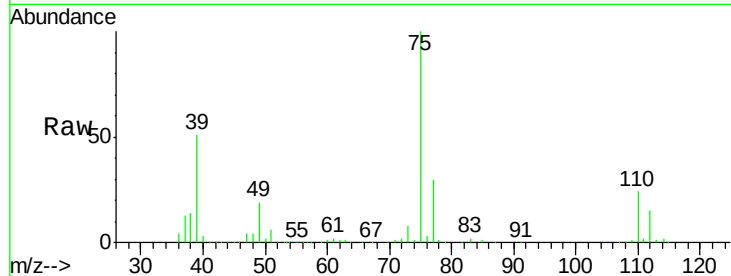
#53
t-1,3-Dichloropropene
Concen: 45.987 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 105112
Ion Ratio Lower Upper
75 100
77 30.3 25.8 38.6

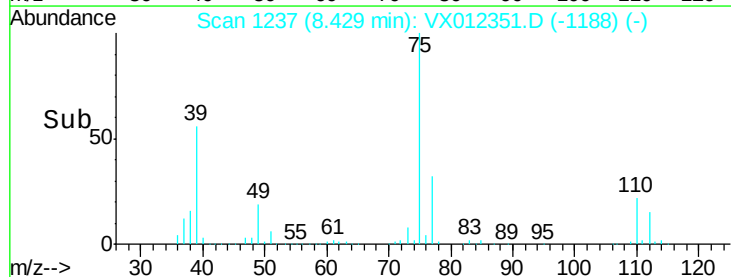
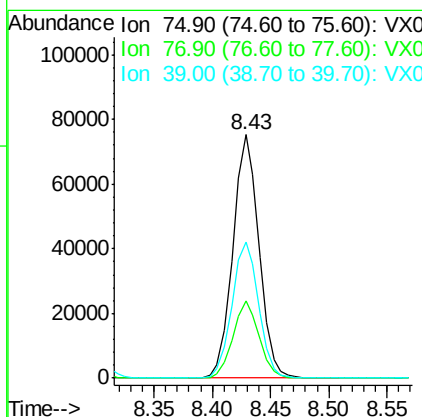
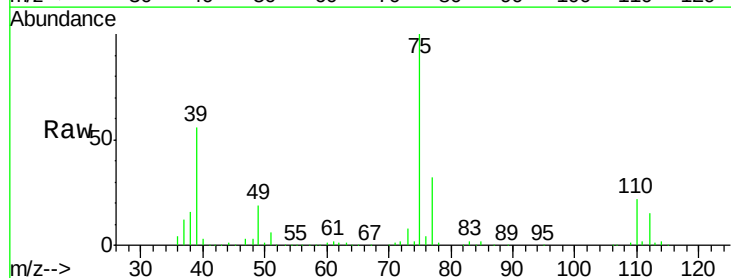
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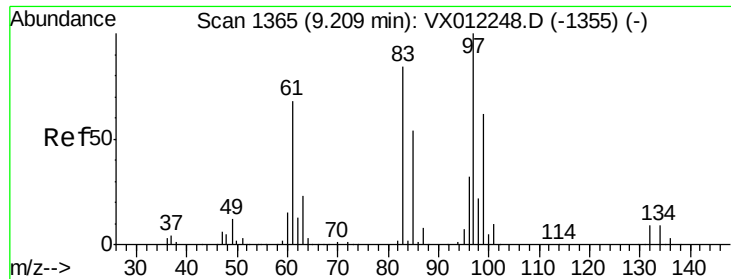
MMDadoda
9/13/2019 10:11:50 AM



#54
cis-1,3-Dichloropropene
Concen: 46.372 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 75 Resp: 117531
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 55.3 46.5 69.7





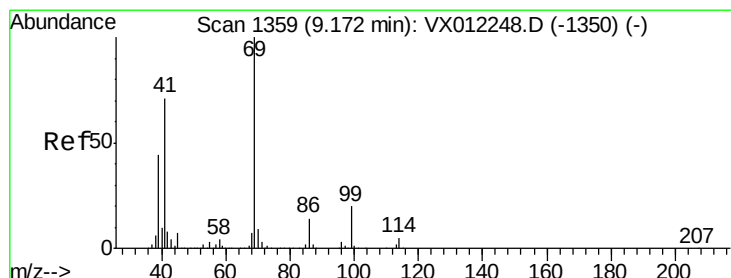
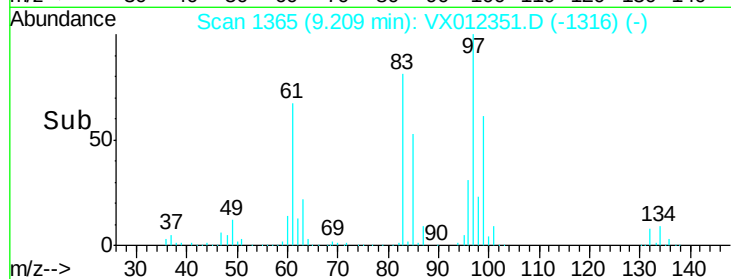
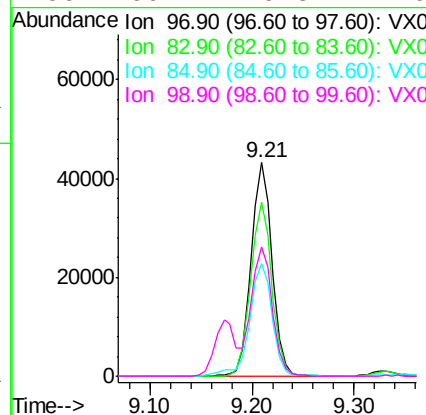
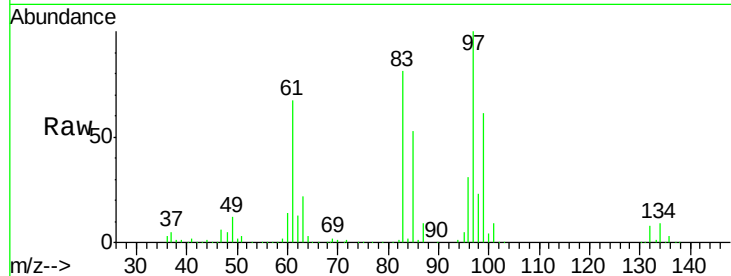
#55
 1,1,2-Trichloroethane
 Concen: 47.823 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	62173
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.4	101.2
85	52.8	43.4	65.2
99	60.7	49.8	74.6

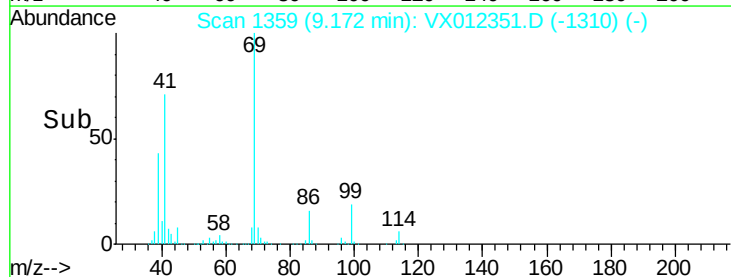
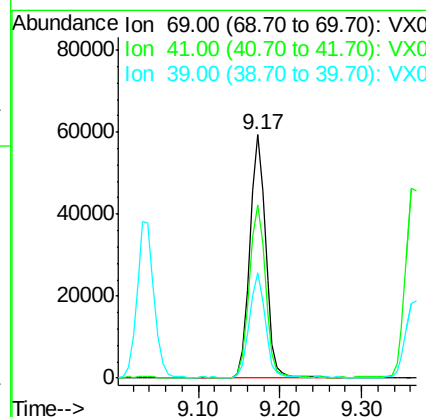
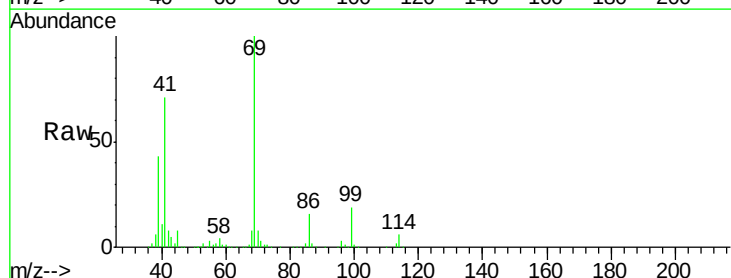
Manual Integrations
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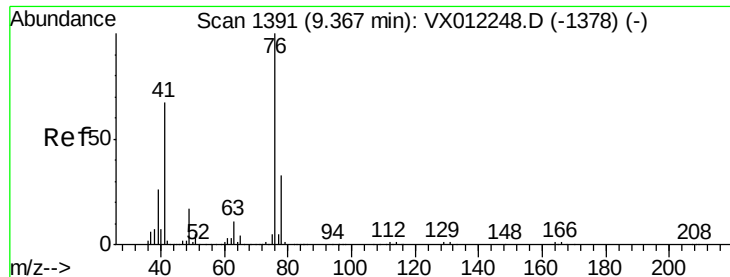
MMDadoda
 9/13/2019 10:11:50 AM



#56
 Ethyl methacrylate
 Concen: 45.911 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion:	69	Resp:	80815
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.7	86.5
39	42.2	34.0	51.0





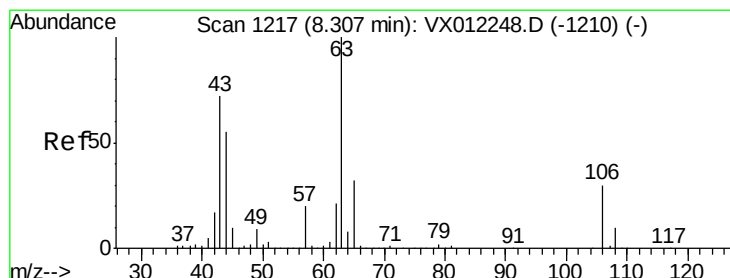
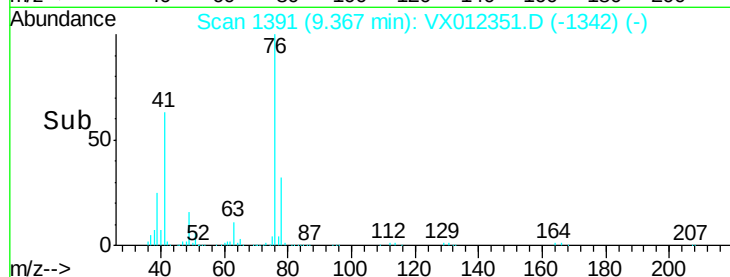
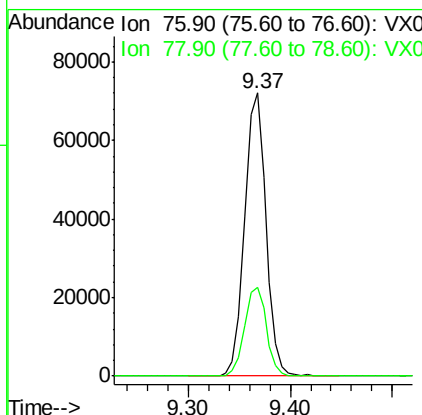
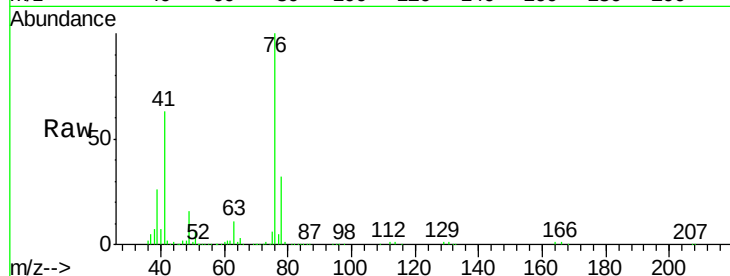
#57
 1,3-Dichloropropane
 Concen: 47.257 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

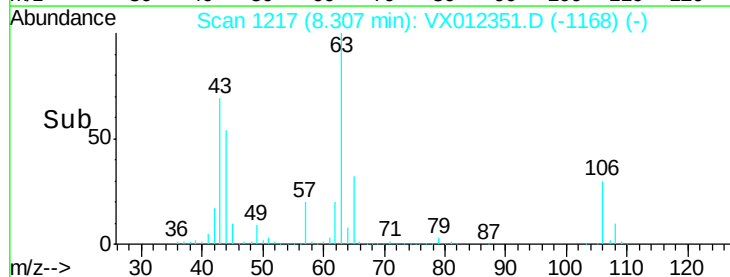
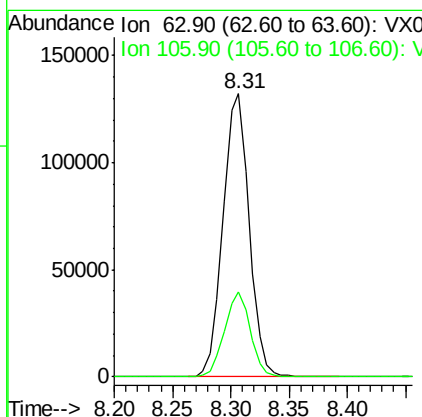
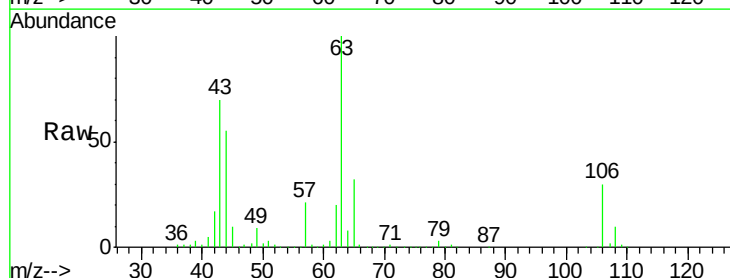
Manual Integrations
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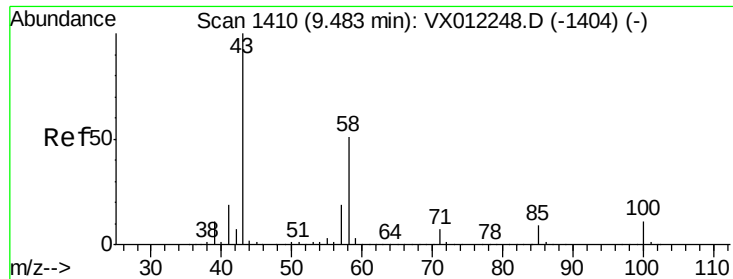
MMDadoda
 9/13/2019 10:11:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.062 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.4	35.2





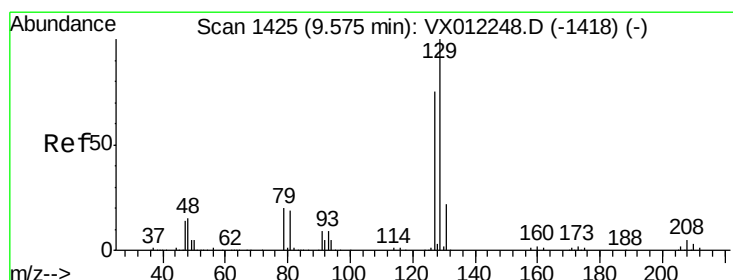
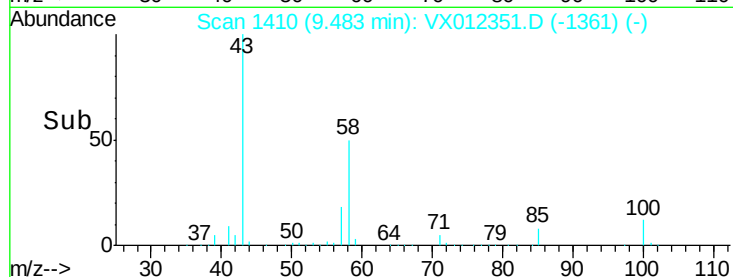
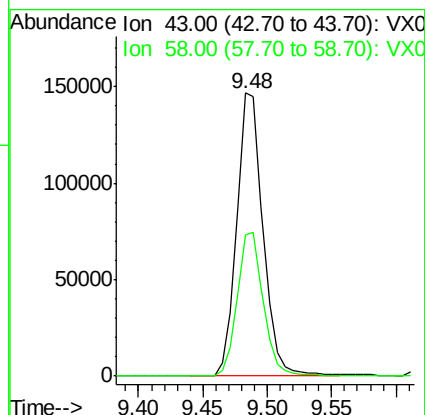
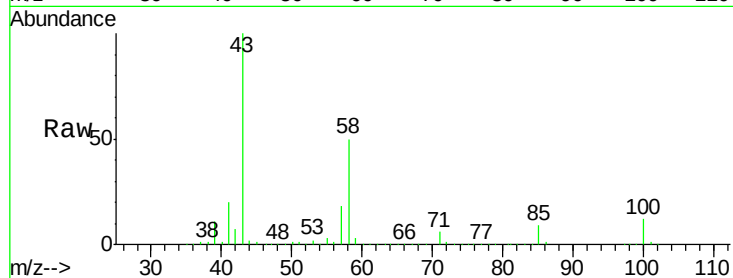
#59
2-Hexanone
Concen: 237.673 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 208329
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3

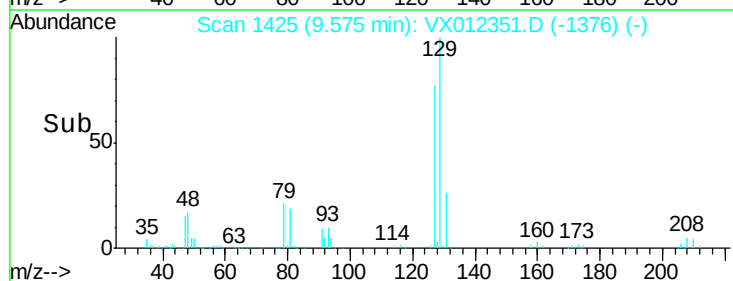
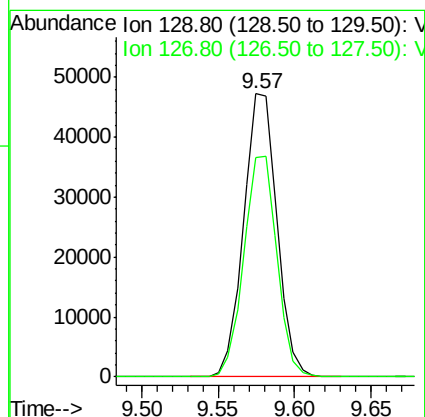
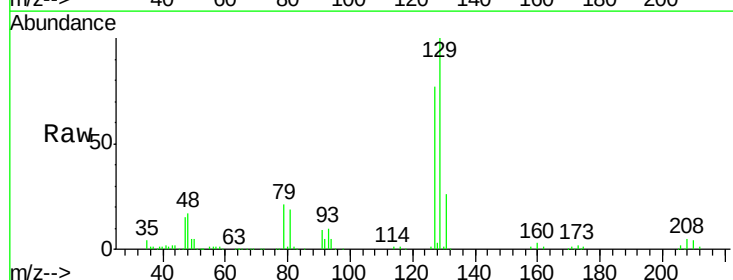
Manual Integrations
APPROVED

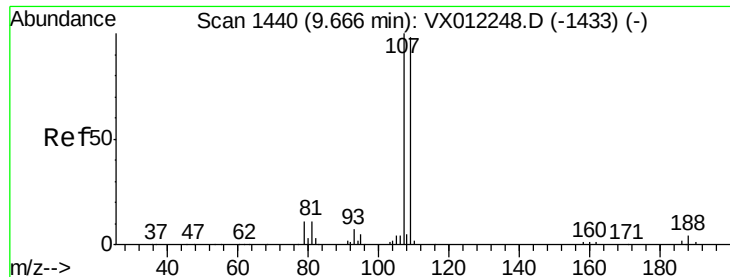
MMDadoda
9/13/2019 10:11:50 AM



#60
Dibromochloromethane
Concen: 47.020 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 129 Resp: 71363
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 46.664 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 56471

Ion Ratio Lower Upper

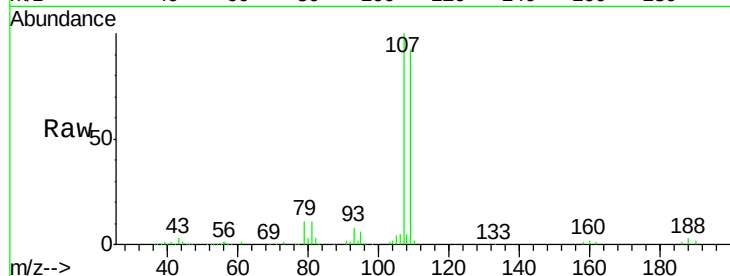
107 100

109 92.6 76.3 114.5

Manual Integrations
APPROVED

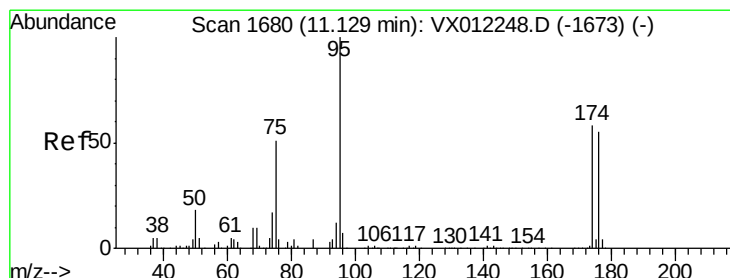
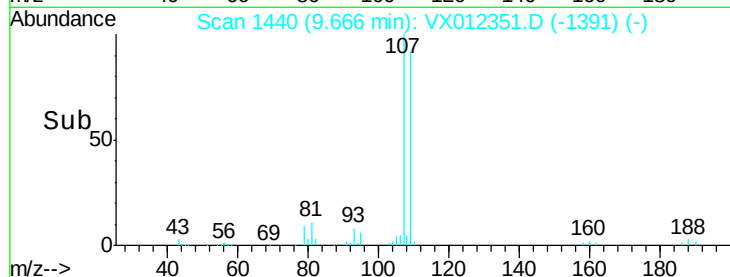
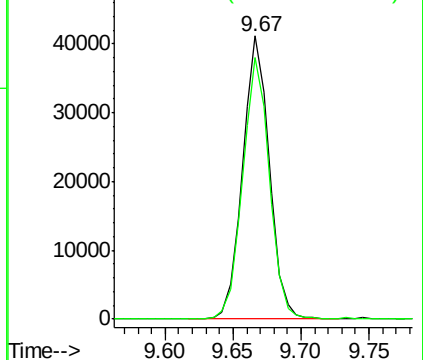
MMDadoda

9/13/2019 10:11:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.569 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

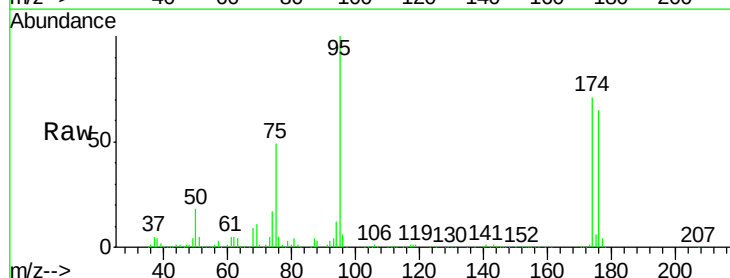
Tgt Ion: 95 Resp: 116767

Ion Ratio Lower Upper

95 100

174 67.7 0.0 127.0

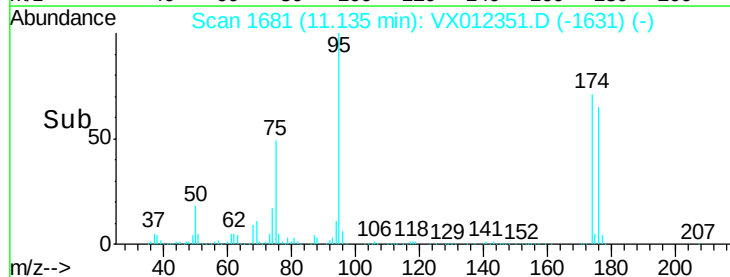
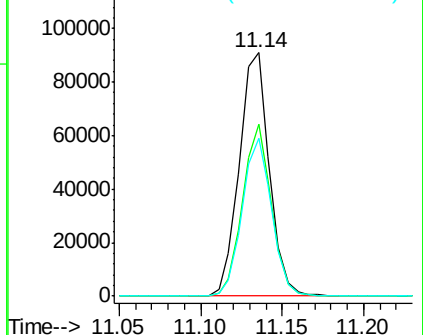
176 63.9 0.0 125.8

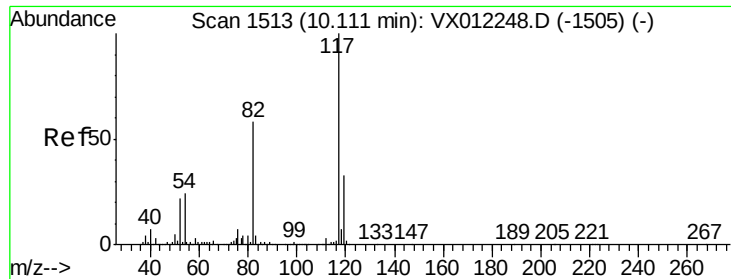


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





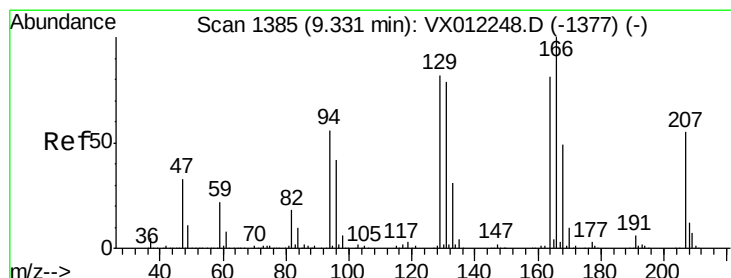
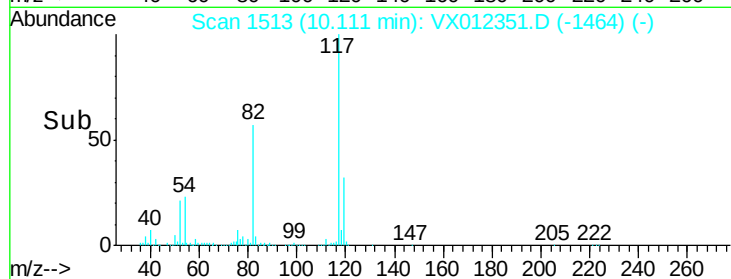
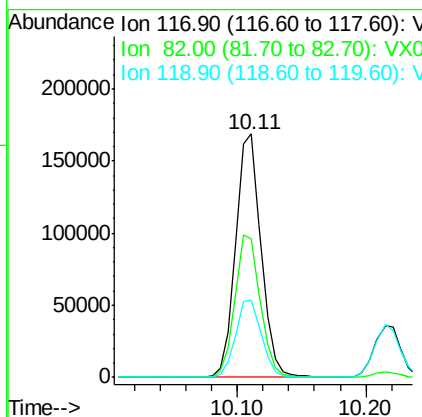
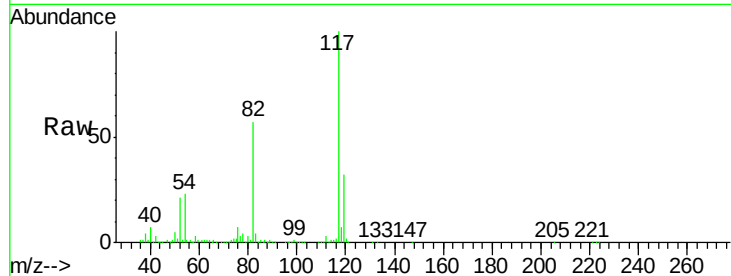
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	231333		
82	57.1	46.4	69.6	
119	31.8	26.6	39.8	

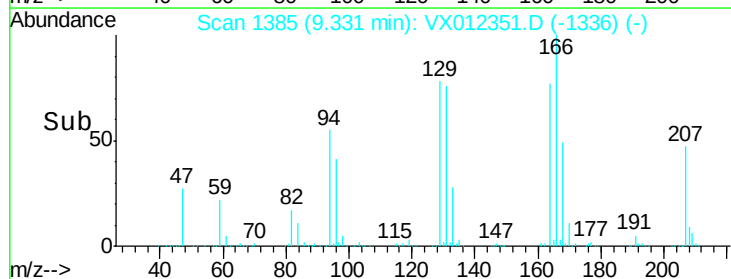
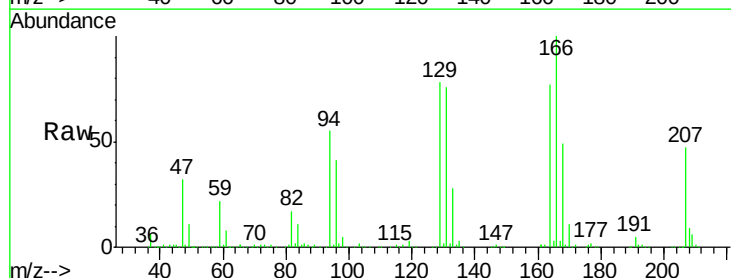
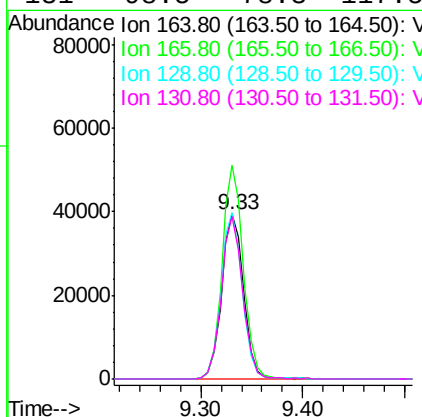
Manual Integrations
APPROVED

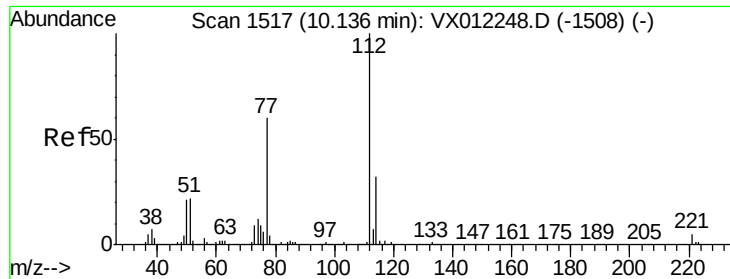
MMDadoda
9/13/2019 10:11:50 AM



#64
Tetrachloroethene
Concen: 47.700 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58358		
166	129.7	99.4	149.0	
129	100.7	81.8	122.8	
131	98.5	78.3	117.5	





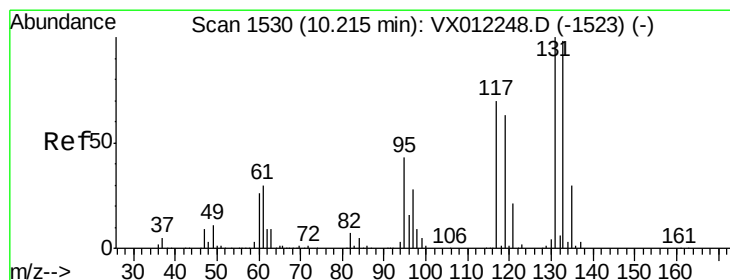
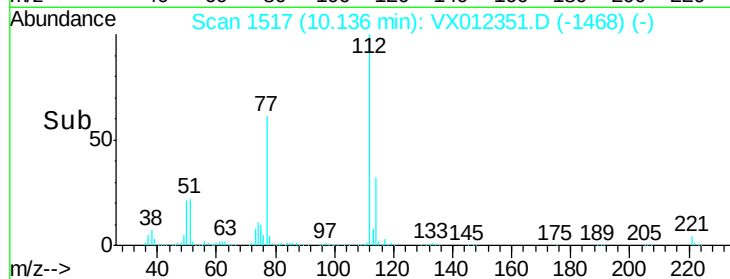
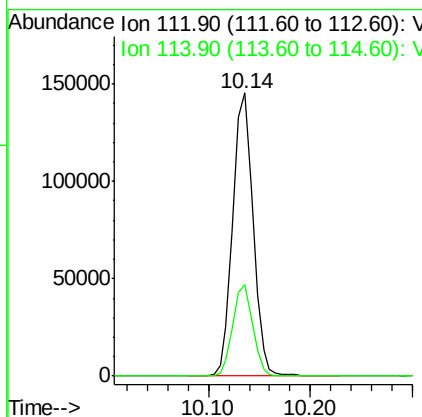
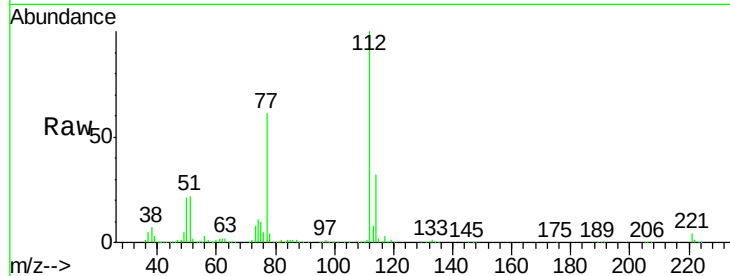
#65
Chlorobenzene
Concen: 47.285 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0

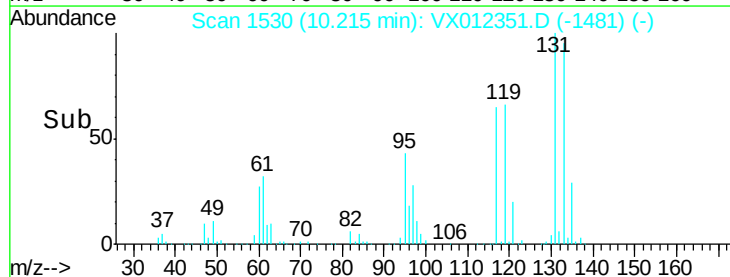
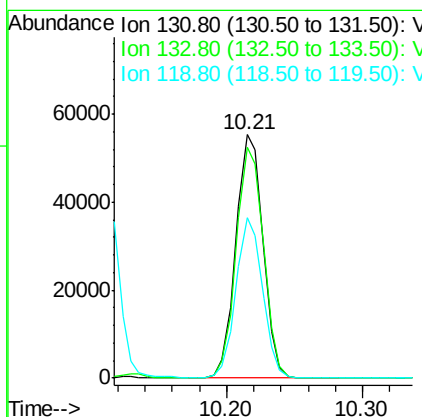
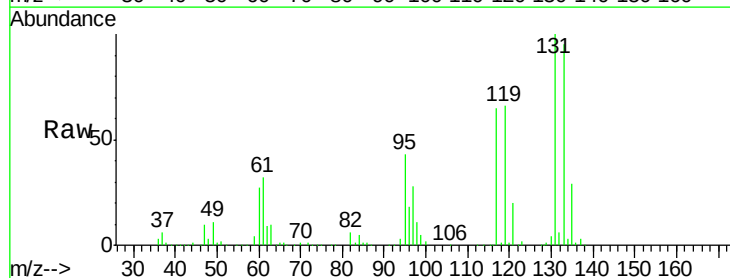
Manual Integrations
APPROVED

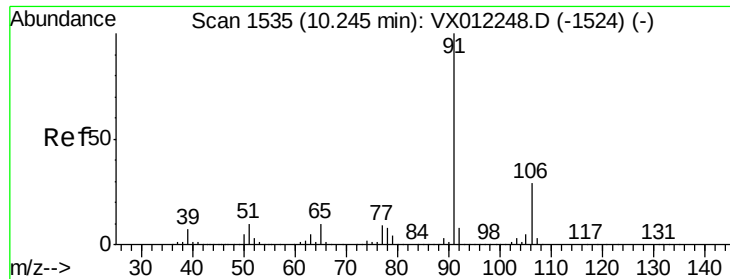
MMDadoda
9/13/2019 10:11:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.206 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.0	144.2
119	64.7	31.6	95.0





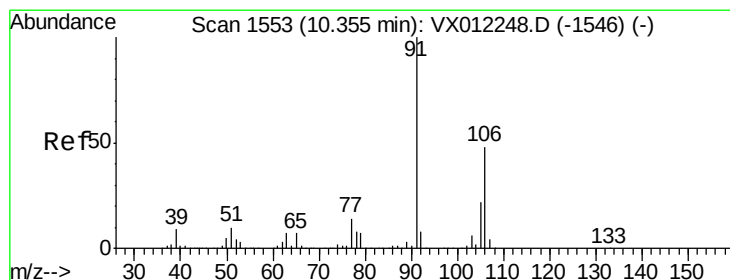
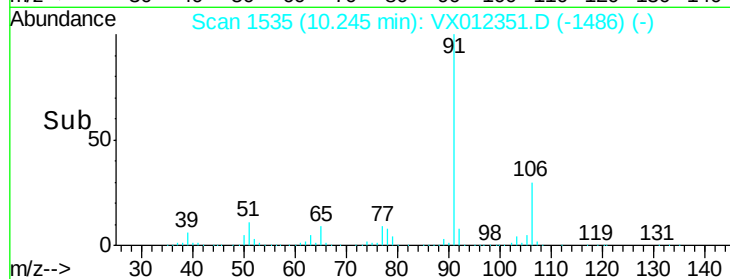
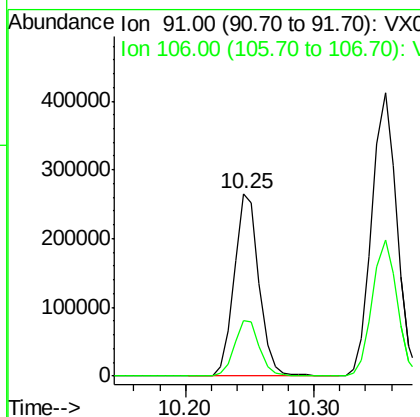
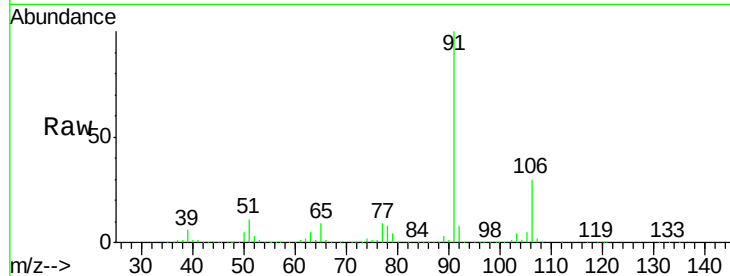
#67
Ethyl Benzene
Concen: 47.556 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 357514
Ion Ratio Lower Upper
91 100
106 30.1 23.1 34.7

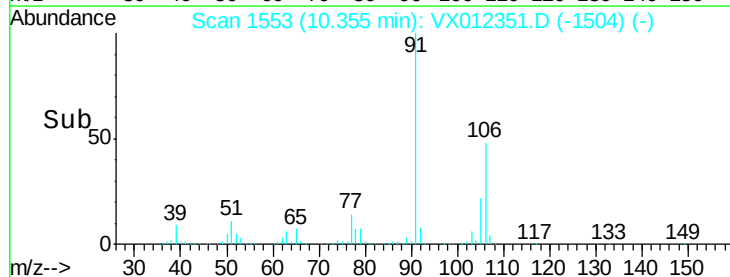
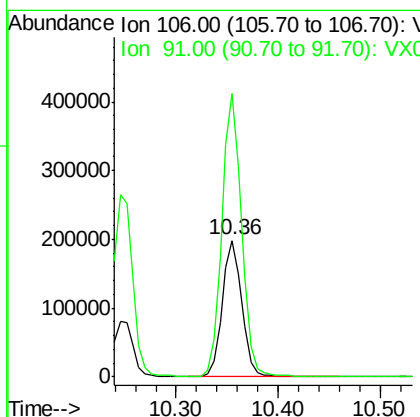
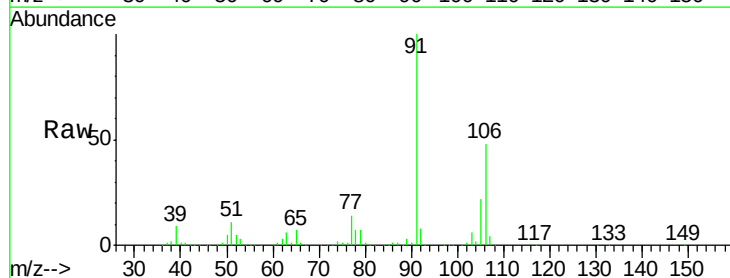
Manual Integrations
APPROVED

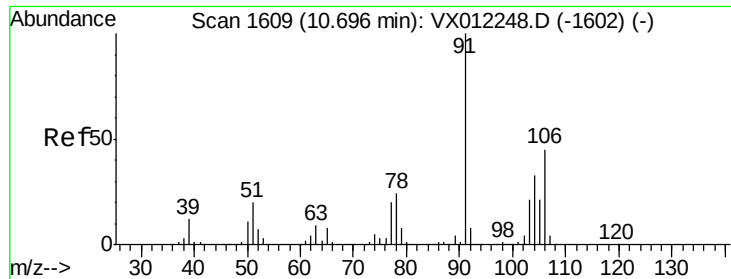
MMDadoda
9/13/2019 10:11:50 AM



#68
m/p-Xylenes
Concen: 95.754 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion: 106 Resp: 264989
Ion Ratio Lower Upper
106 100
91 209.2 167.0 250.6





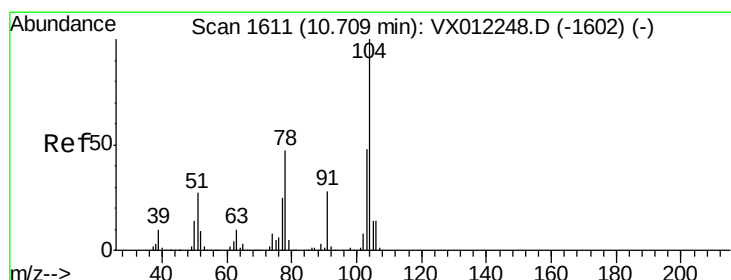
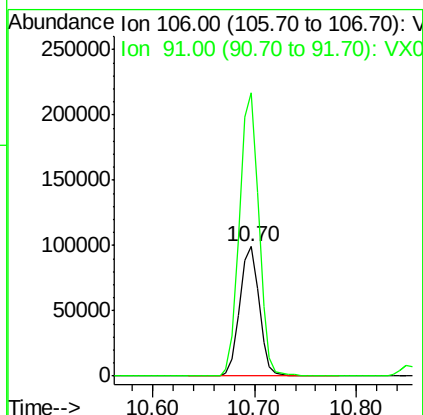
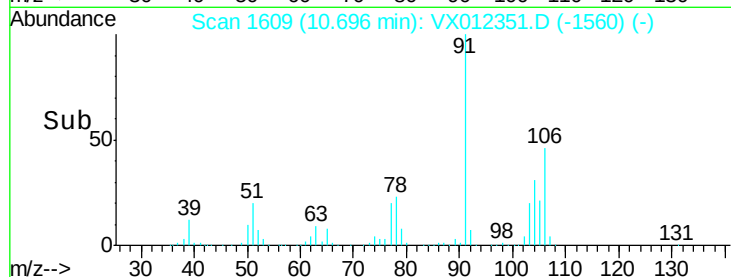
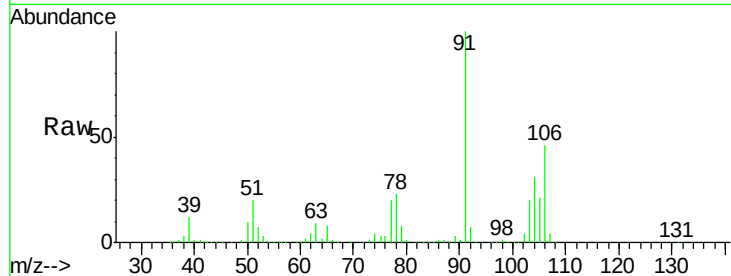
#69
o-Xylene
Concen: 48.056 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	130279		
91	217.9	110.5	331.4	

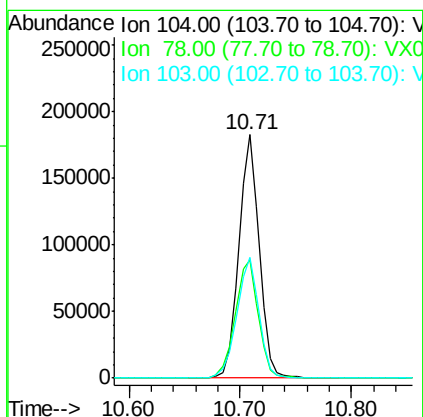
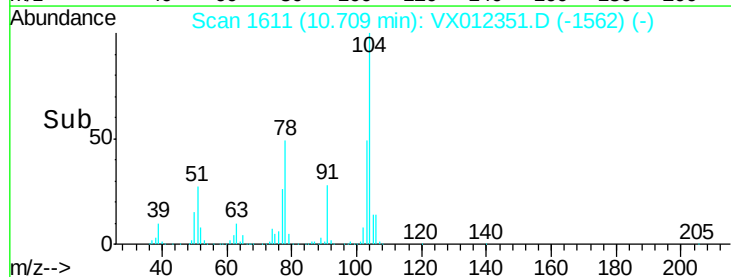
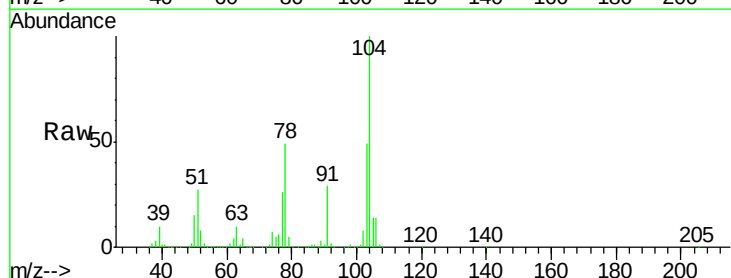
Manual Integrations
APPROVED

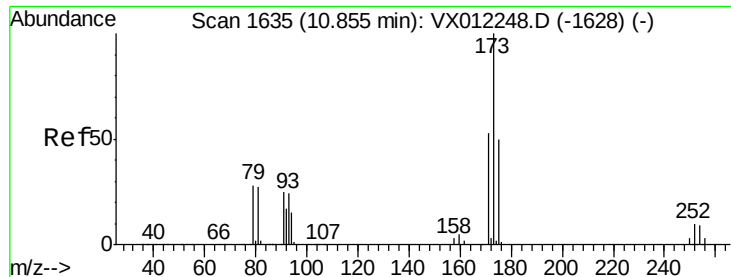
MMDadoda
9/13/2019 10:11:50 AM



#70
Styrene
Concen: 48.130 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	231405		
78	55.2	44.2	66.2	
103	53.8	42.5	63.7	





#71

Bromoform

Concen: 46.312 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 38266

Ion Ratio Lower Upper

173 100

175 47.3 24.5 73.5

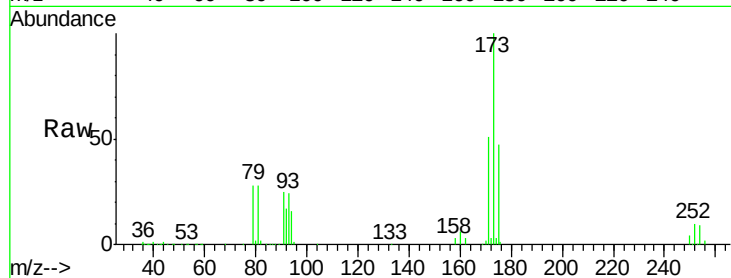
254 0.0 0.2 0.4#

Manual Integrations

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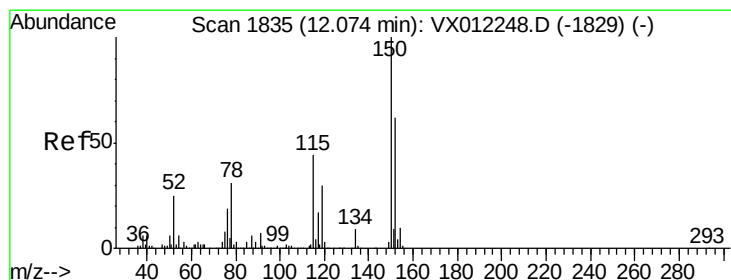
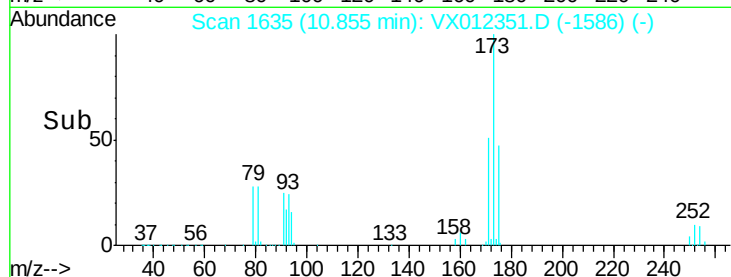
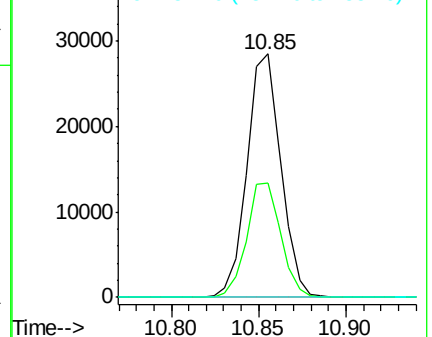
9/13/2019 10:11:50 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

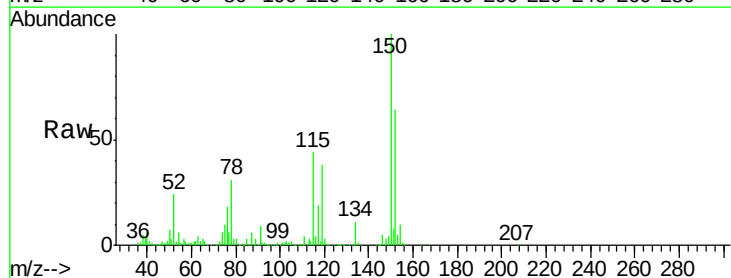
Tgt Ion:152 Resp: 115268

Ion Ratio Lower Upper

152 100

115 88.5 45.5 136.4

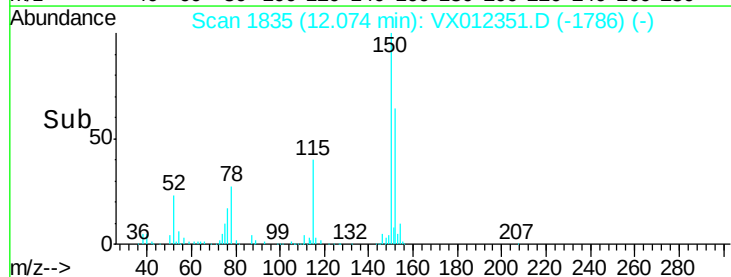
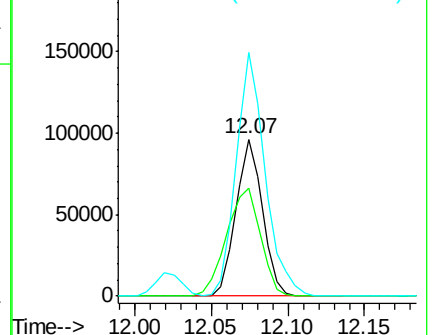
150 170.3 0.0 346.4

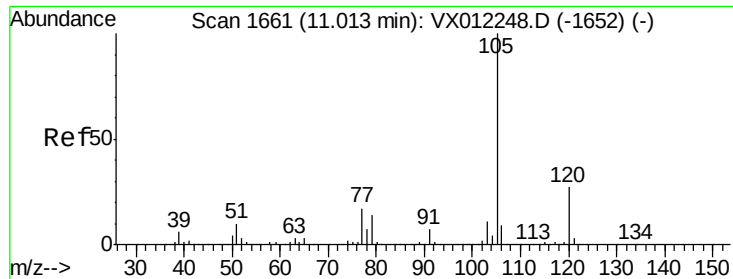


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.372 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 359474

Ion Ratio Lower Upper

105 100

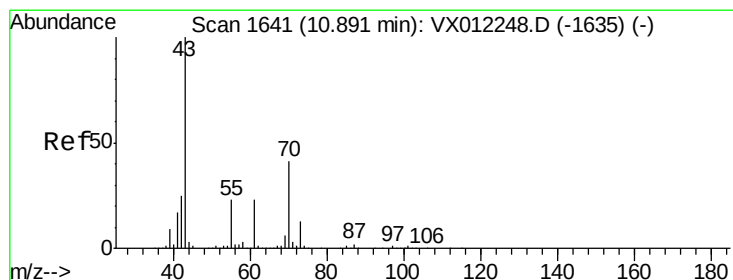
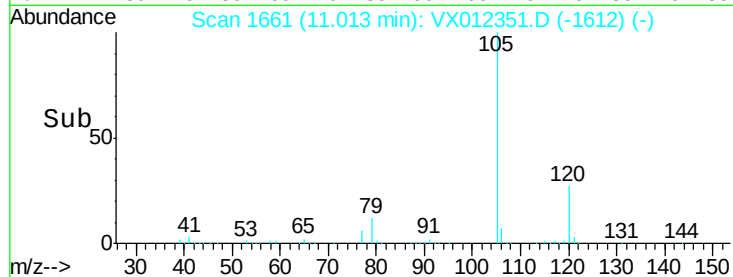
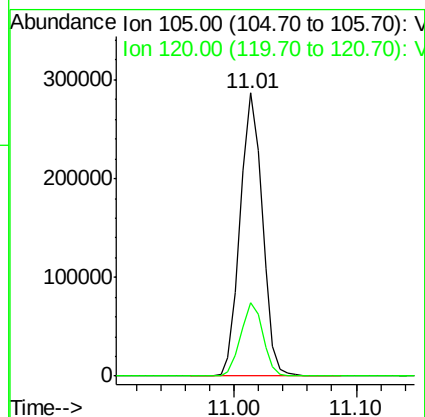
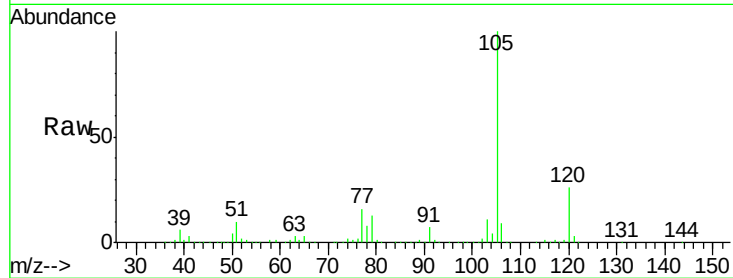
120 26.0 13.2 39.5

Manual Integrations

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MMDadoda

9/13/2019 10:11:50 AM



#74

N-ethyl acetate

Concen: 43.499 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion: 43 Resp: 98146

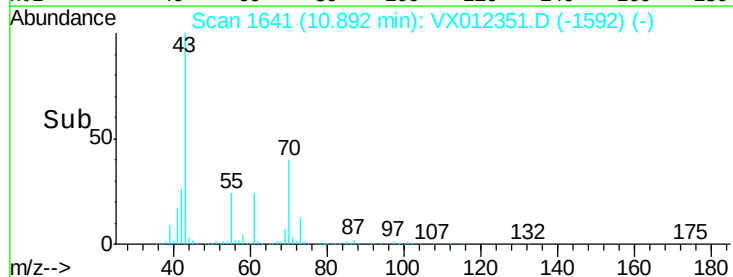
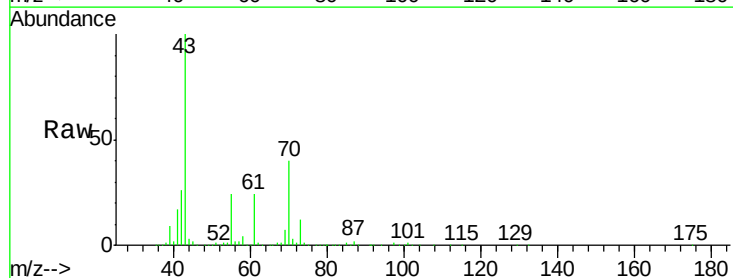
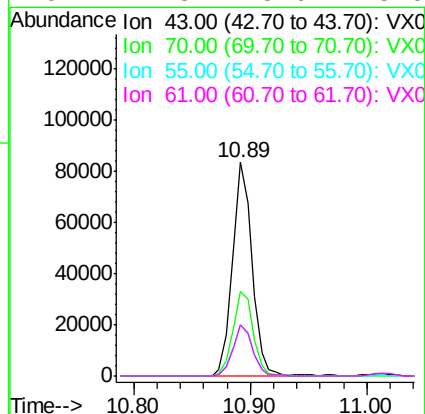
Ion Ratio Lower Upper

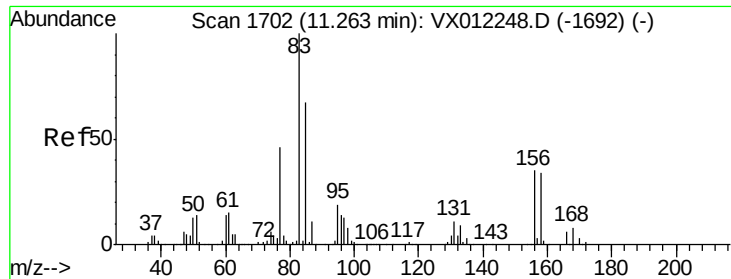
43 100

70 41.2 32.9 49.3

55 24.8 19.1 28.7

61 24.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.109 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Instrument :

MSVOA_X

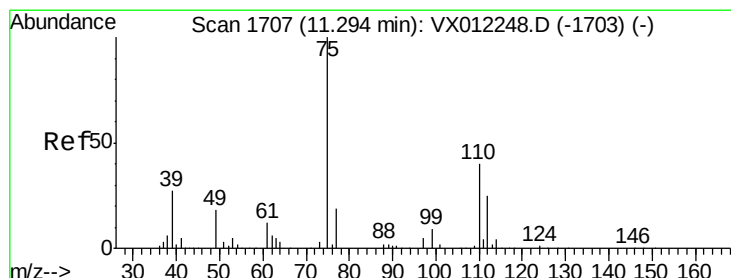
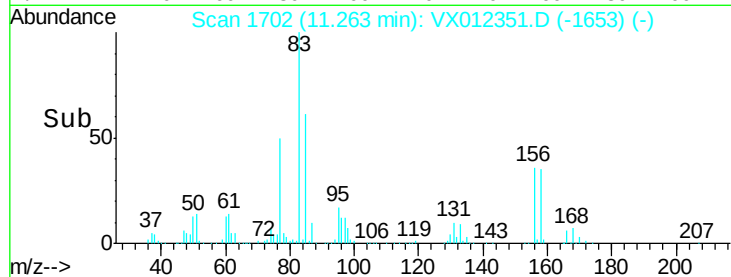
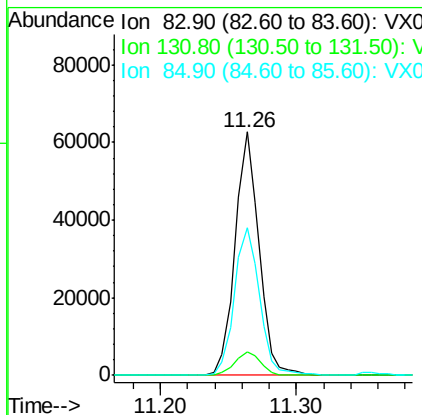
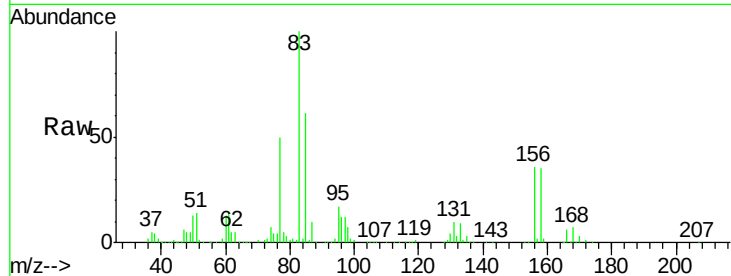
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	76775
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	64.2	32.8	98.4

Manual Integrations
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9/13/2019 10:11:50 AM



#76

1,2,3-Trichloropropane

Concen: 45.160 ug/l m

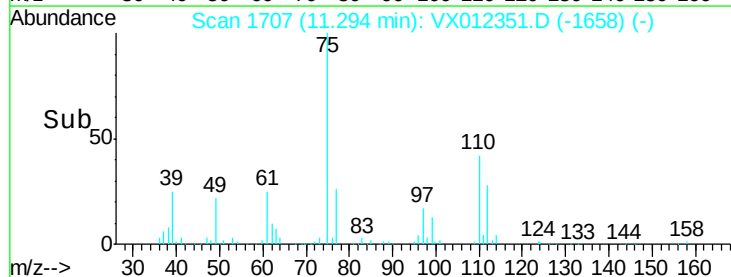
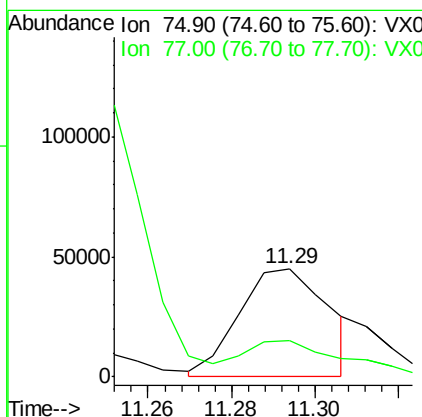
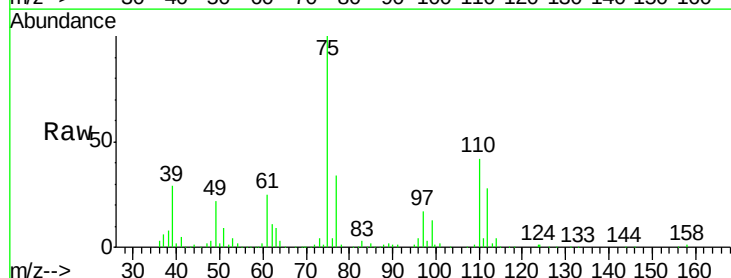
RT: 11.29 min Scan# 1707

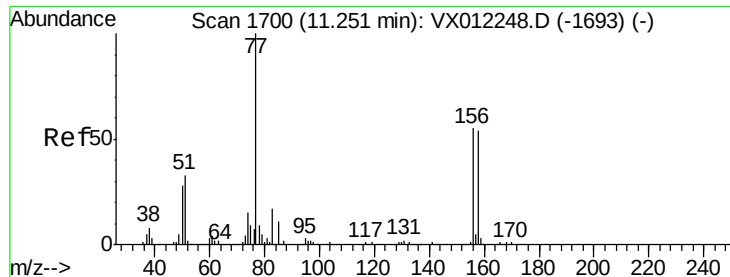
Delta R.T. 0.00 min

Lab File: VX012351.D

Acq: 12 Sep 2019 16:53

Tgt Ion:	75	Resp:	66873
Ion	Ratio	Lower	Upper
75	100		
77	38.1	19.7	59.0





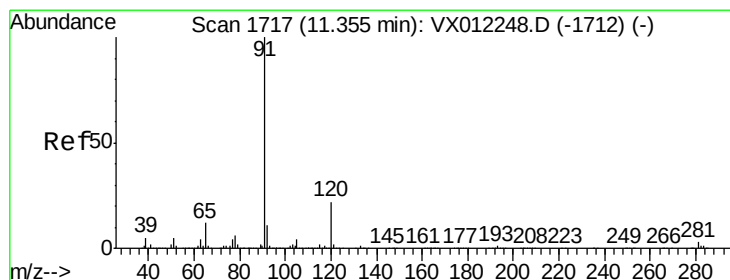
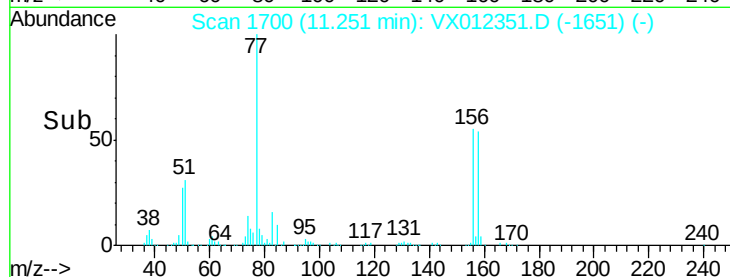
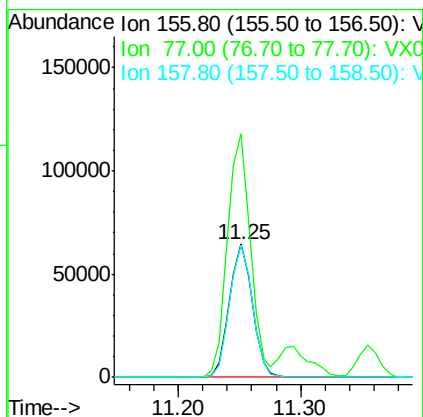
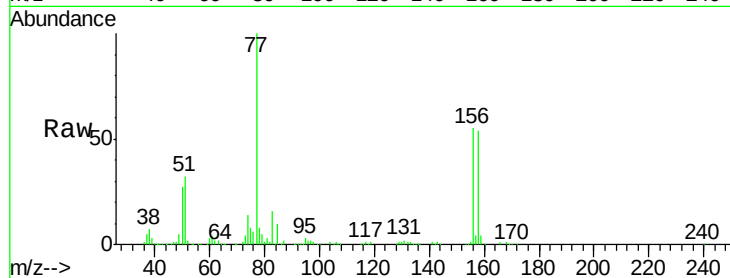
#77
Bromobenzene
Concen: 47.931 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.2	92.2	276.6
158	99.0	48.8	146.3

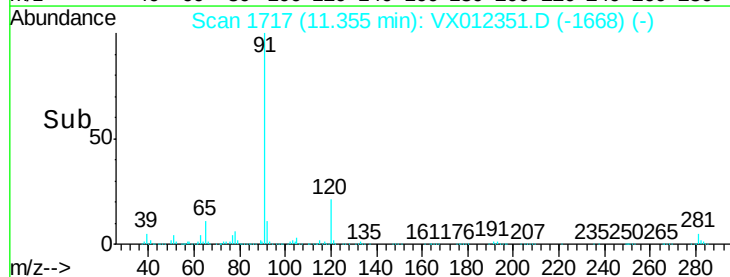
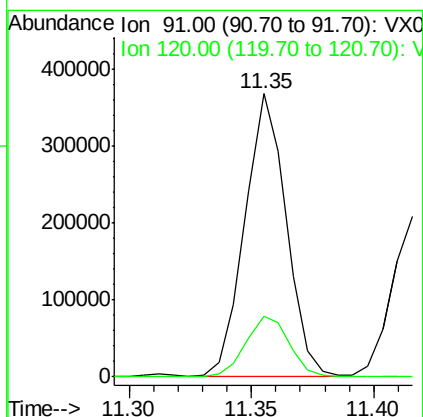
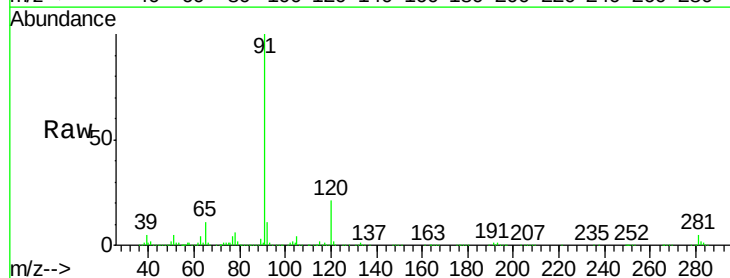
Manual Integrations
APPROVED

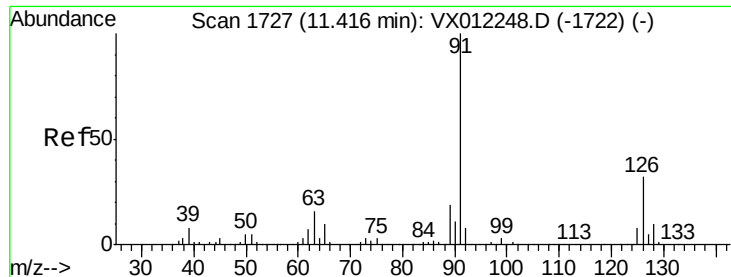
MMDadoda
9/13/2019 10:11:50 AM



#78
n-propylbenzene
Concen: 47.387 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.6





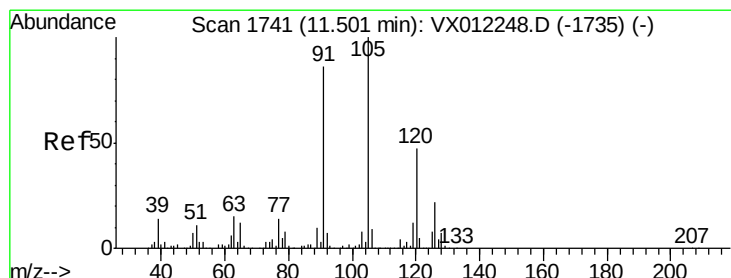
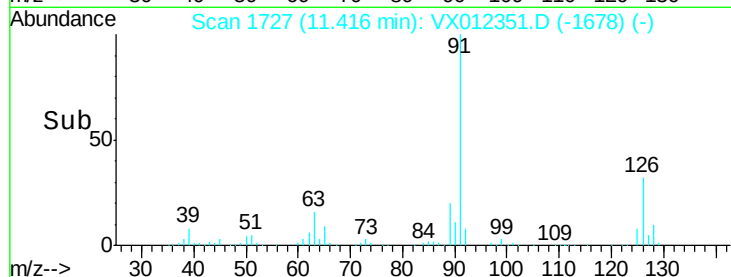
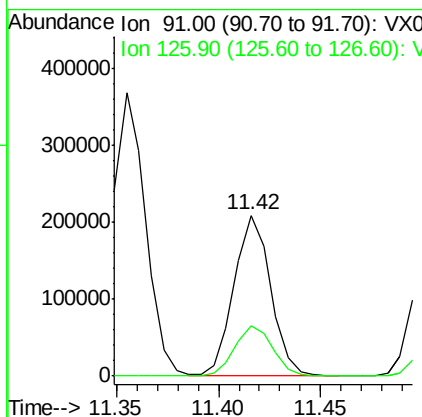
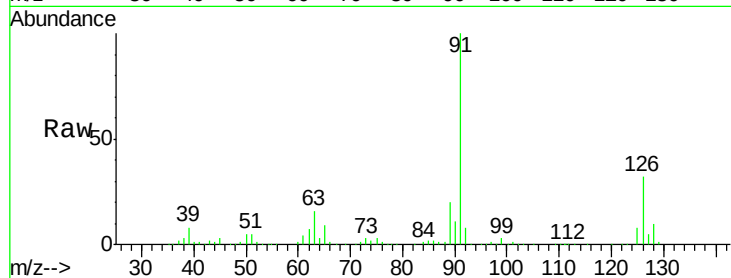
#79
 2-Chlorotoluene
 Concen: 45.962 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 260946
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.9 47.7

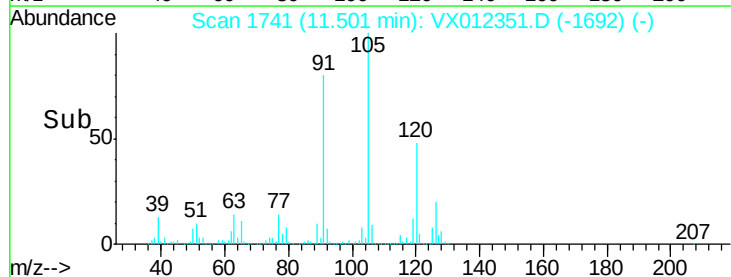
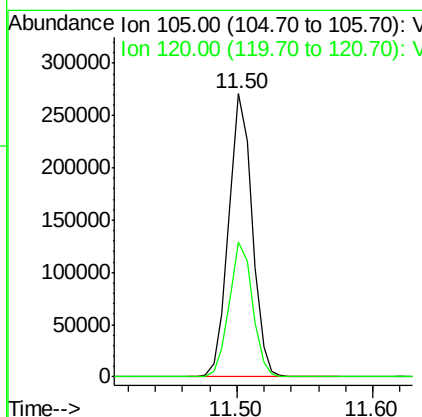
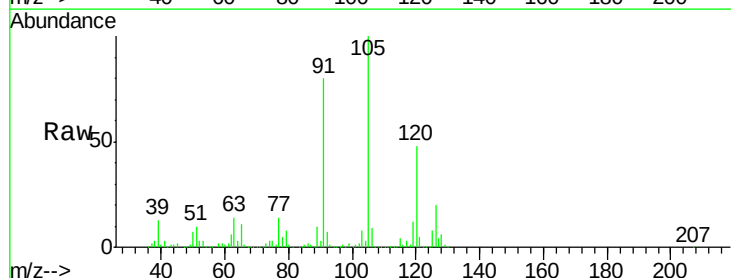
Manual Integrations
 APPROVED

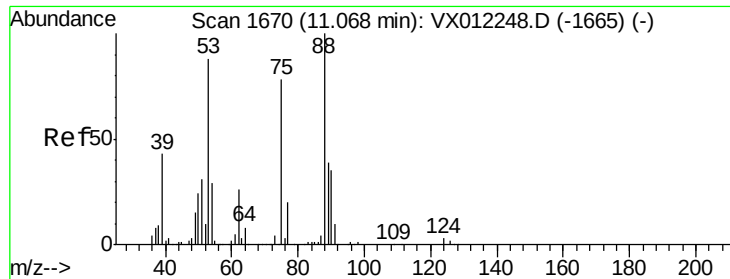
MMDadoda
 9/13/2019 10:11:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.524 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion: 105 Resp: 324315
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.7 71.1





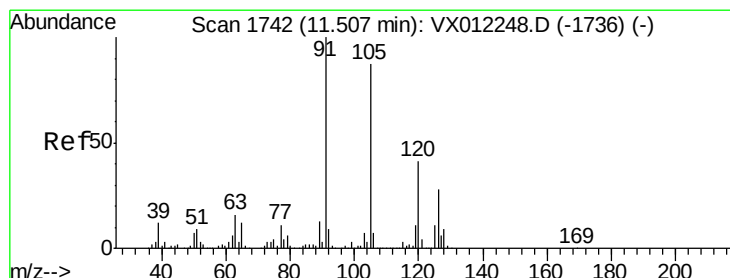
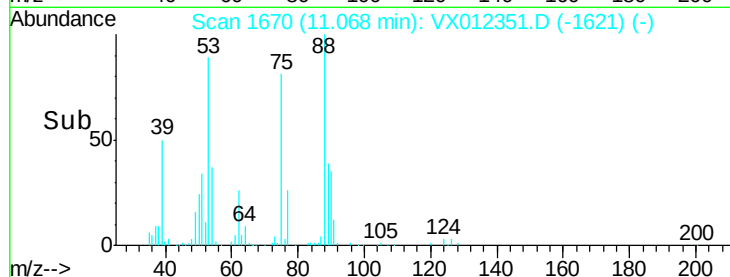
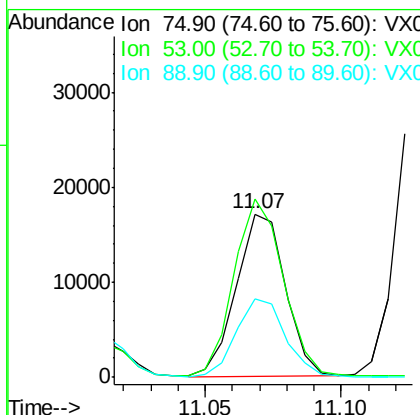
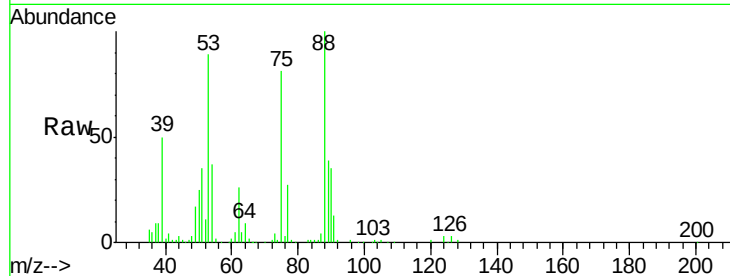
#81
trans-1,4-Dichloro-2-butene
Concen: 43.343 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	88.1	132.1
89	48.9	43.5	65.3

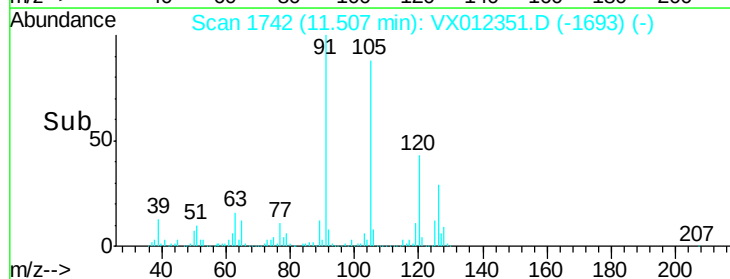
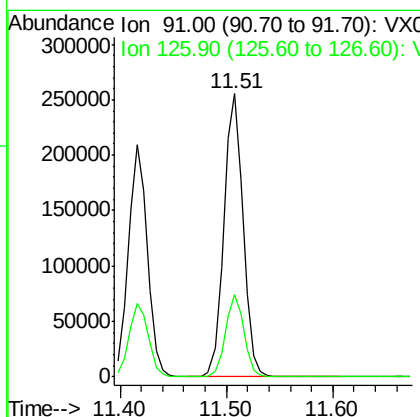
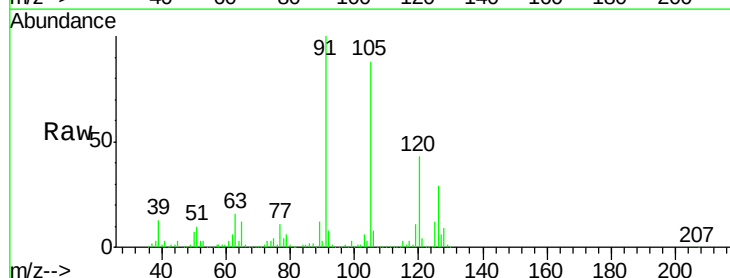
Manual Integrations
APPROVED

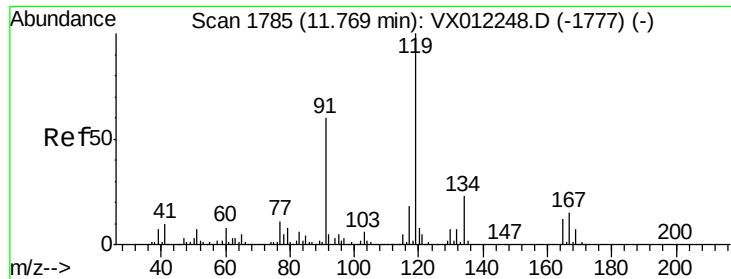
MMDadoda
9/13/2019 10:11:50 AM



#82
4-Chlorotoluene
Concen: 47.131 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.0	42.0





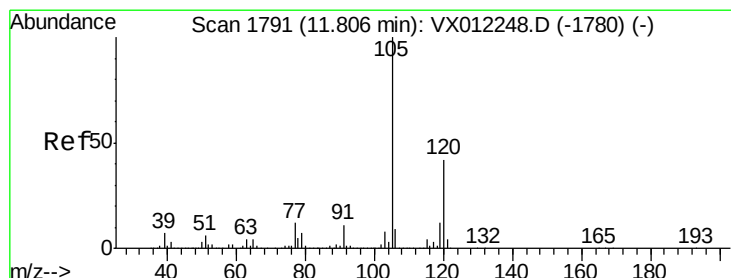
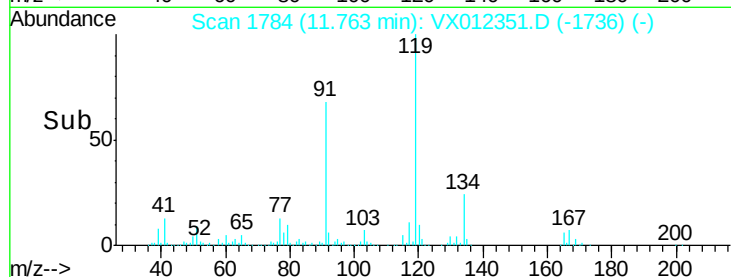
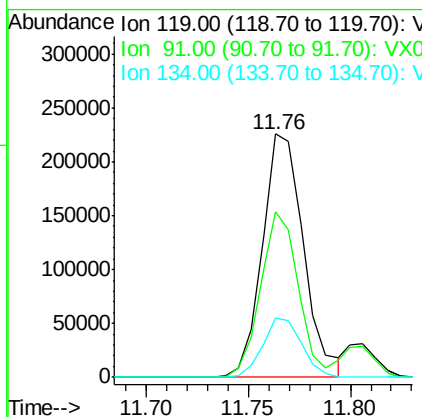
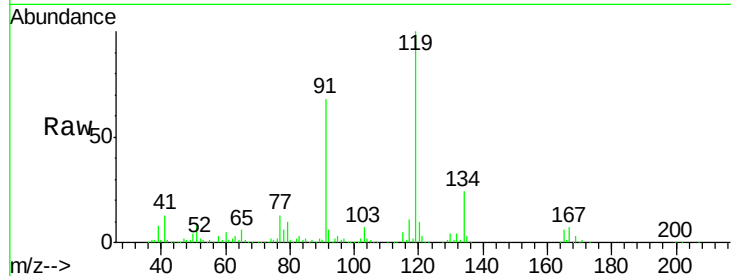
#83
 tert-Butylbenzene
 Concen: 47.988 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317985		
91	62.0	30.9	92.8	
134	23.2	11.2	33.6	

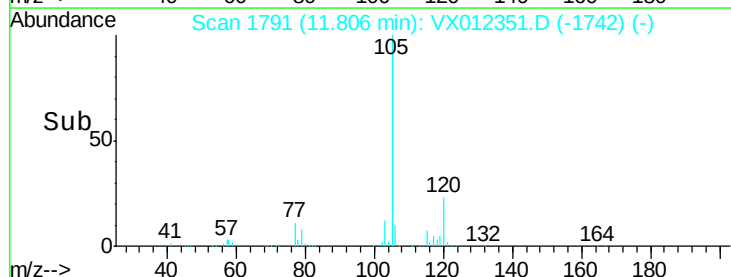
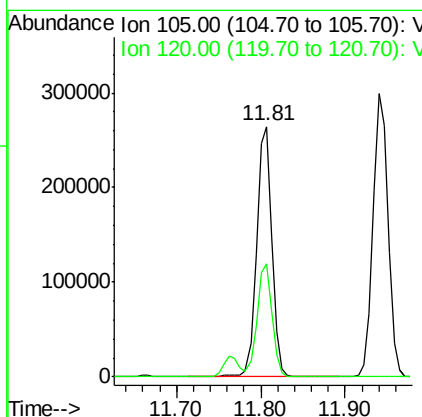
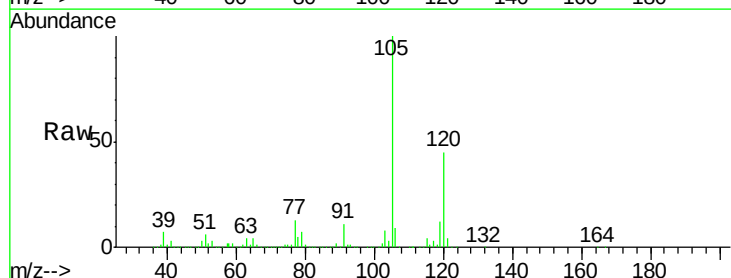
Manual Integrations
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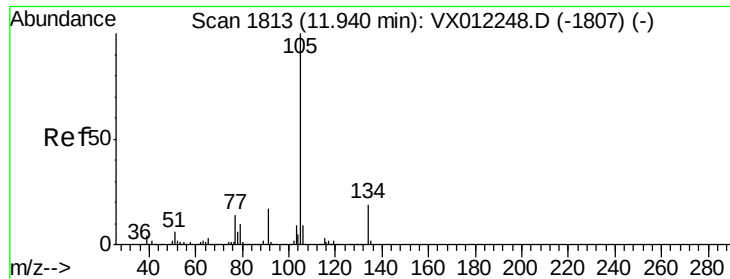
MMDadoda
 9/13/2019 10:11:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.617 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	328864		
120	44.4	21.3	63.9	





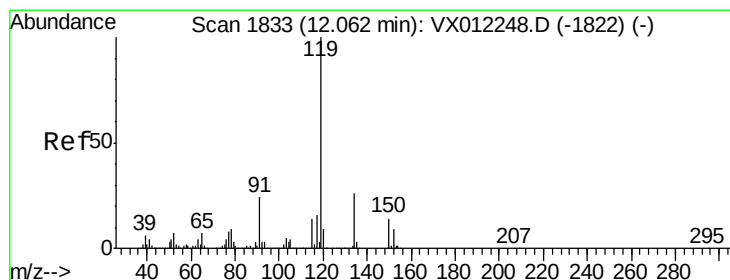
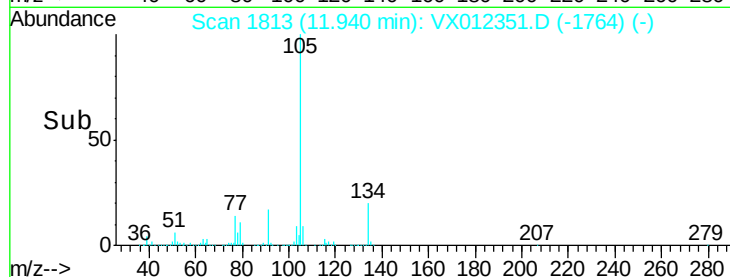
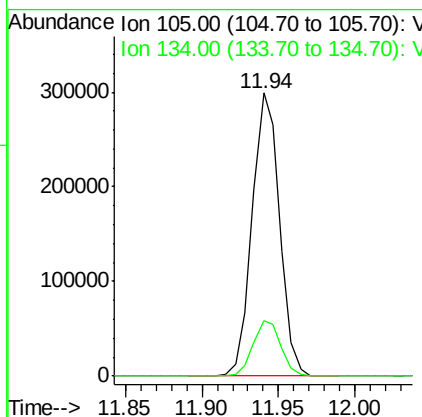
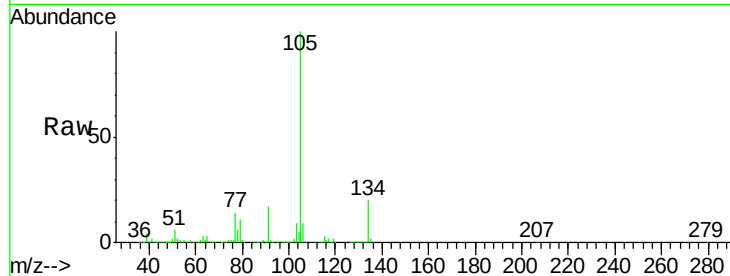
#85
 sec-Butylbenzene
 Concen: 47.156 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	372838		
134	19.8	9.9	29.7	

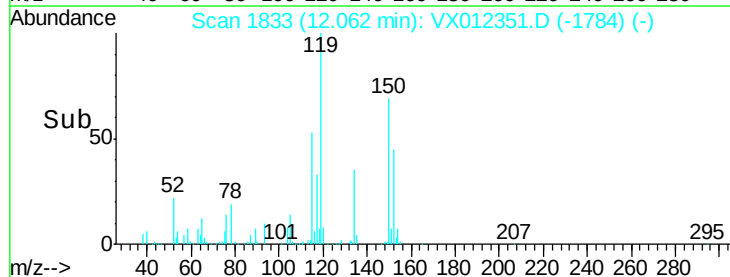
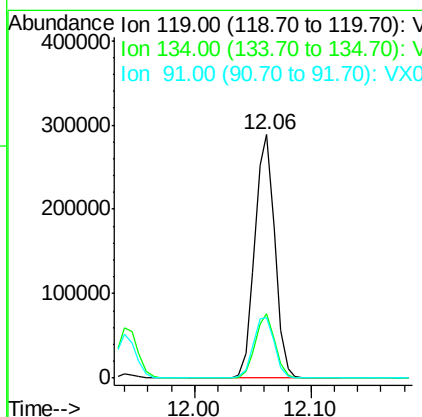
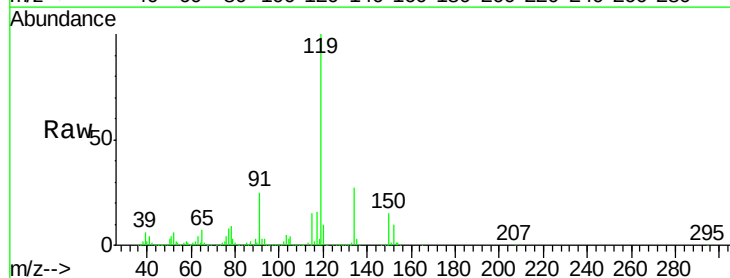
Manual Integrations
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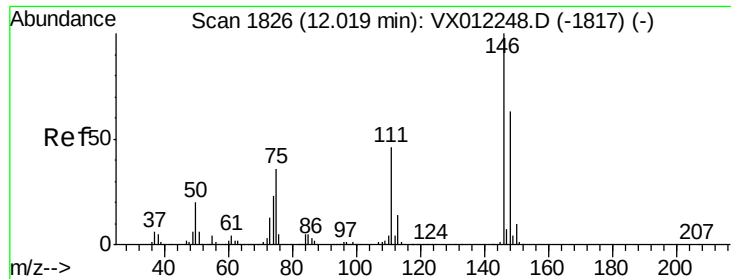
MMDadoda
 9/13/2019 10:11:50 AM



#86
 p-Isopropyltoluene
 Concen: 47.686 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	348362		
134	25.8	12.9	38.7	
91	26.2	13.1	39.1	





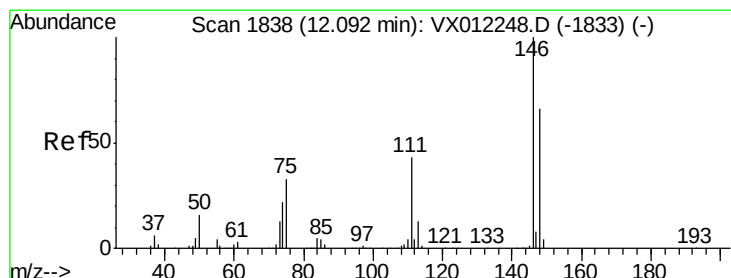
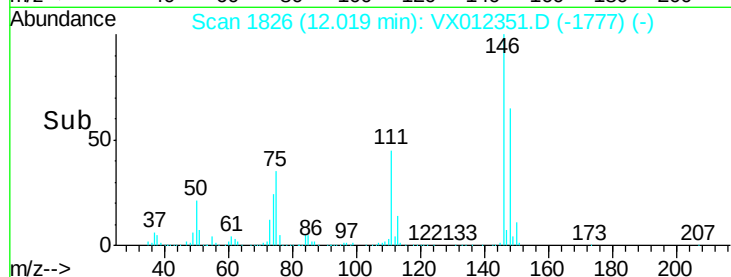
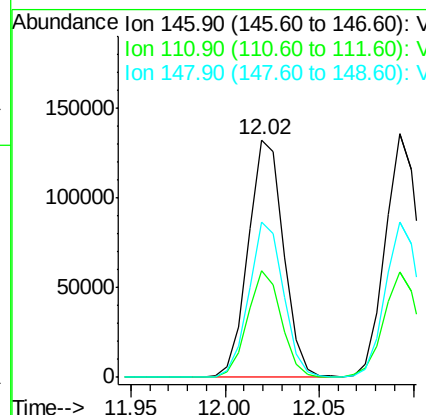
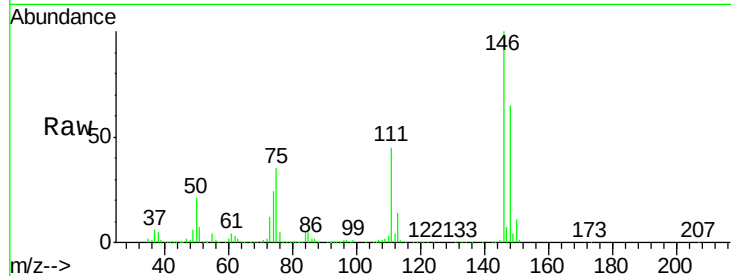
#87
 1,3-Dichlorobenzene
 Concen: 48.372 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.3	66.8
148	64.0	31.5	94.5

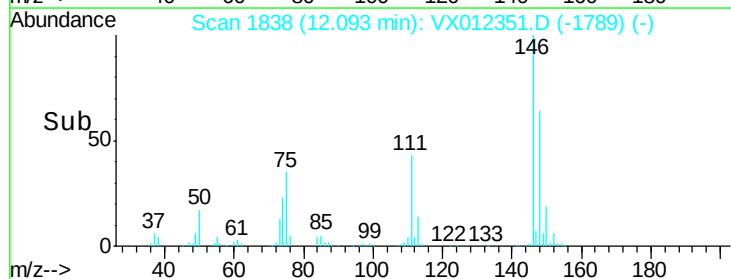
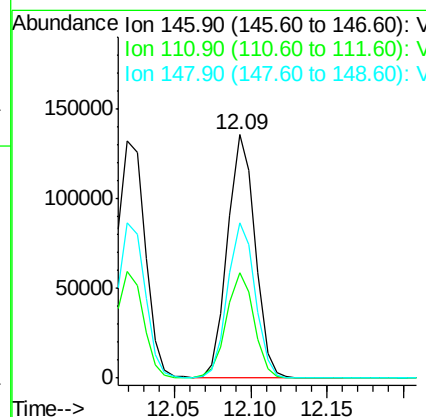
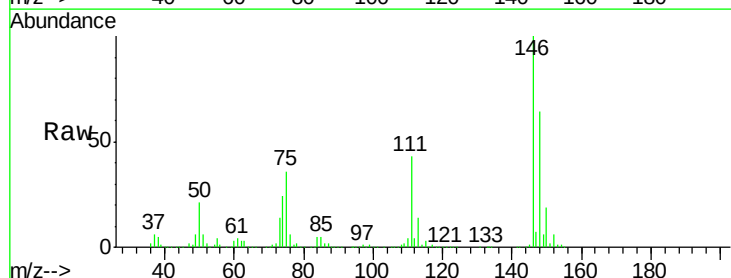
Manual Integrations
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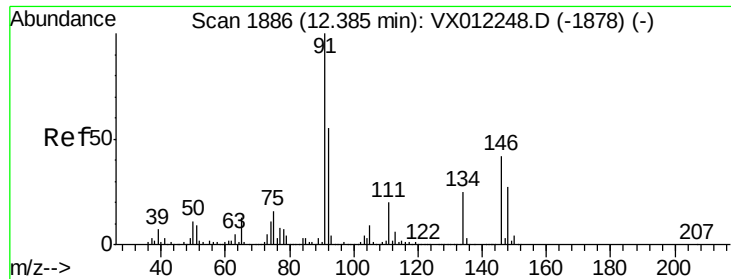
MMDadoda
 9/13/2019 10:11:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.099 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.8
148	64.4	32.4	97.2





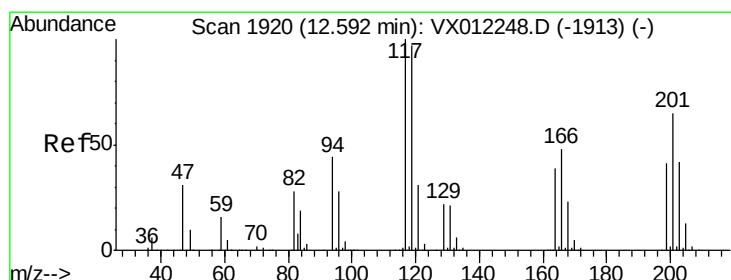
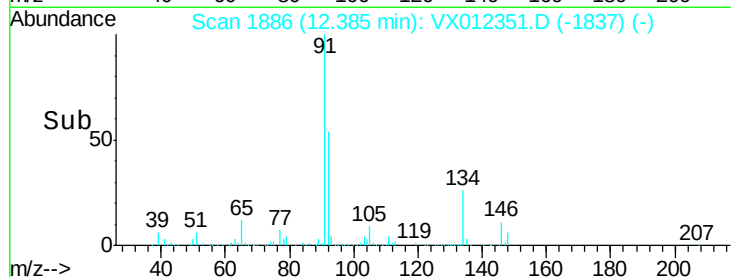
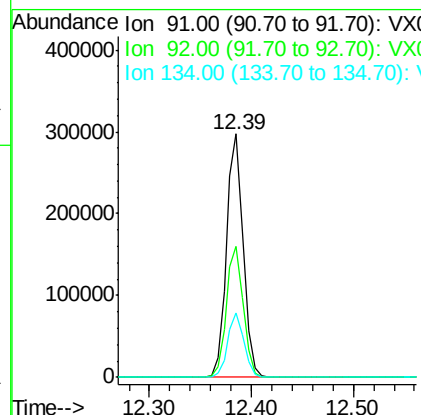
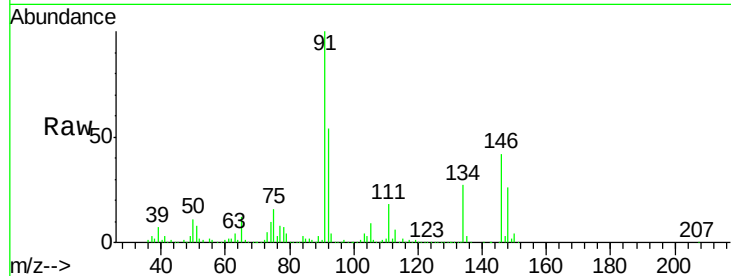
#89
n-Butylbenzene
Concen: 47.336 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.6	82.7	
134	25.8	12.5	37.5	

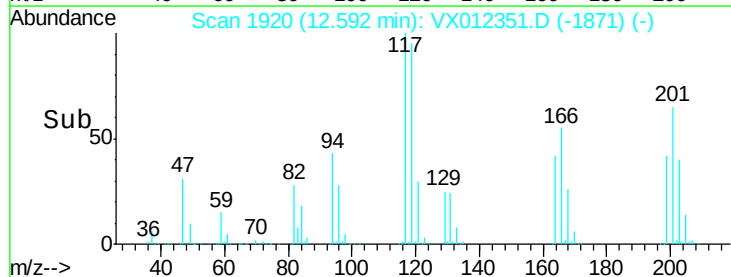
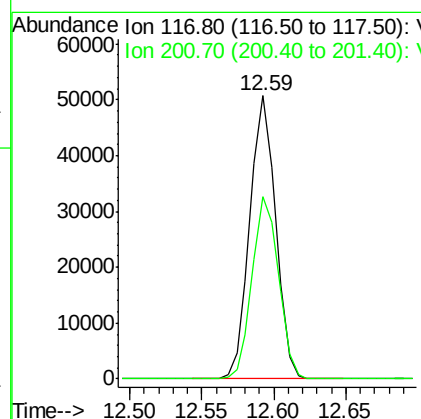
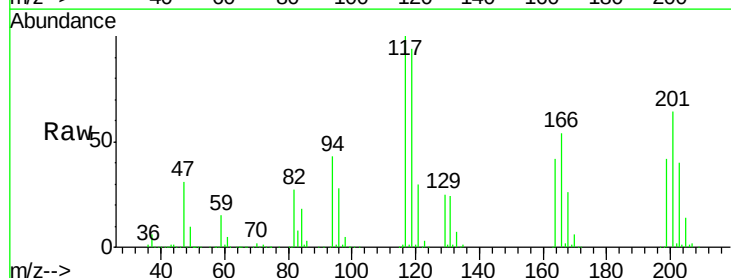
Manual Integrations
APPROVED

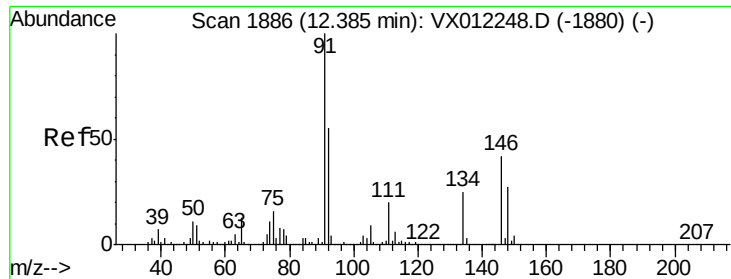
MMDadoda
9/13/2019 10:11:50 AM



#90
Hexachloroethane
Concen: 46.873 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.7	32.2	96.6	





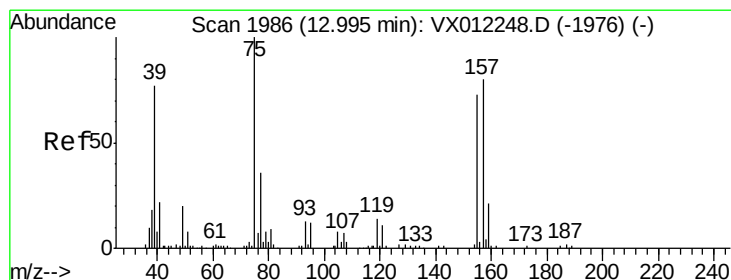
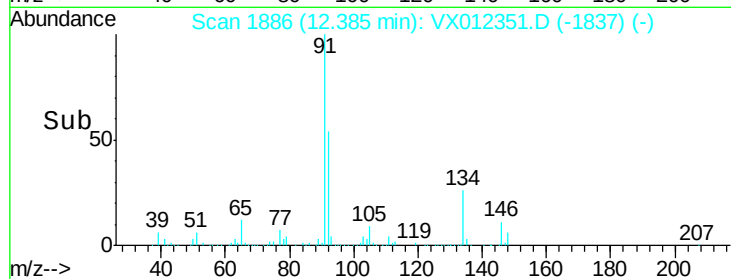
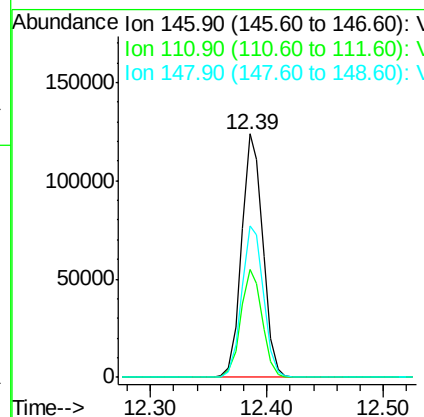
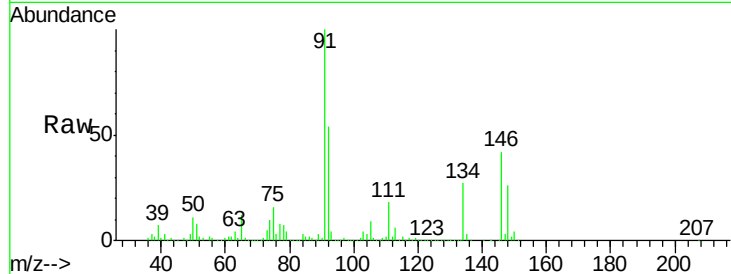
#91
 1,2-Dichlorobenzene
 Concen: 47.668 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156933		
111	44.5	23.2	69.6	
148	63.7	32.4	97.0	

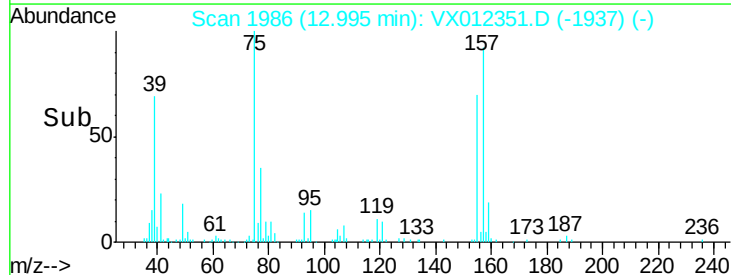
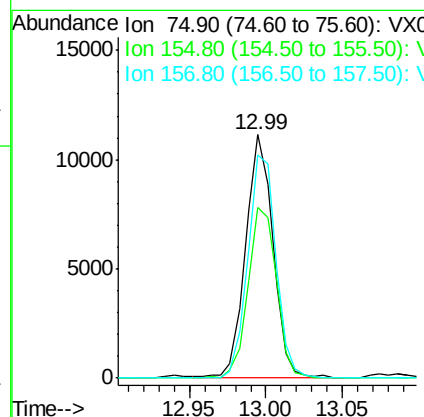
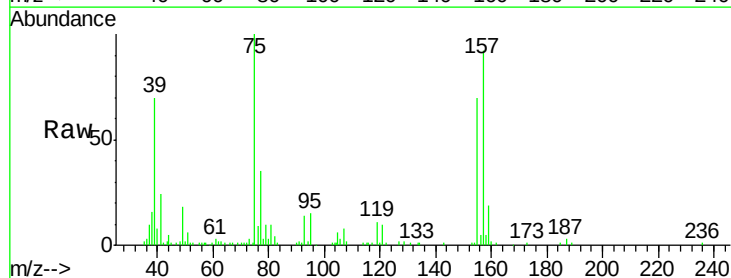
Manual Integrations
 APPROVED

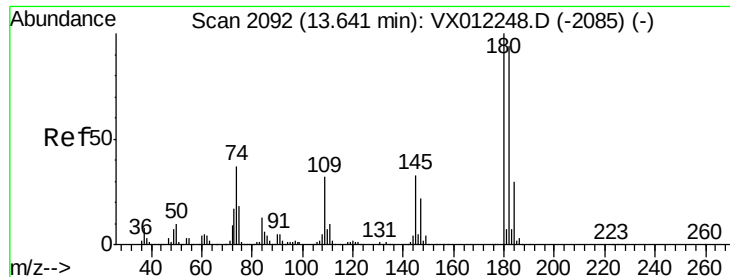
MMDadoda
 9/13/2019 10:11:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.689 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13868		
155	72.2	35.3	105.7	
157	93.4	43.2	129.6	





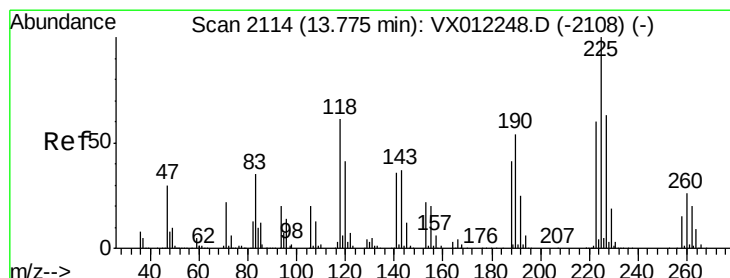
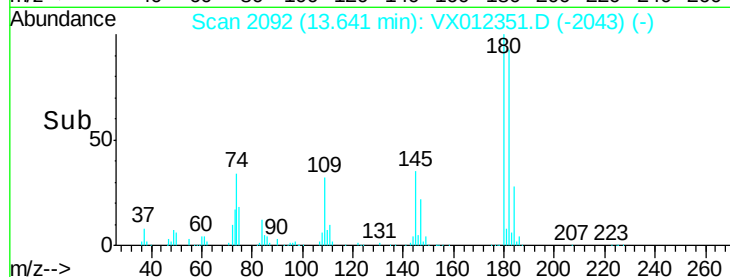
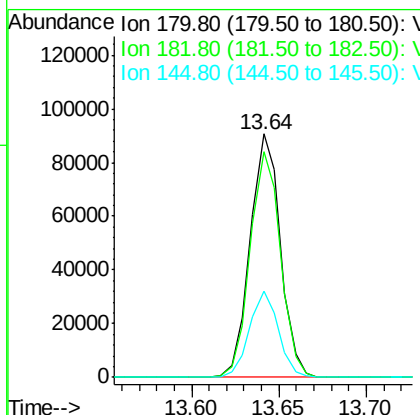
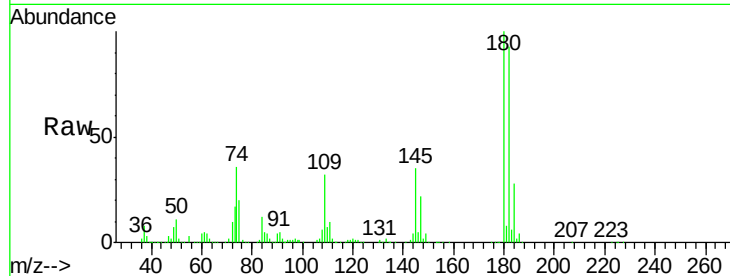
#93
 1,2,4-Trichlorobenzene
 Concen: 47.990 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109108		
182	92.8	46.9	140.8	
145	34.1	17.1	51.2	

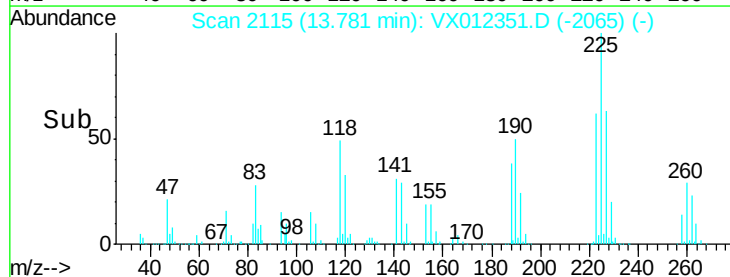
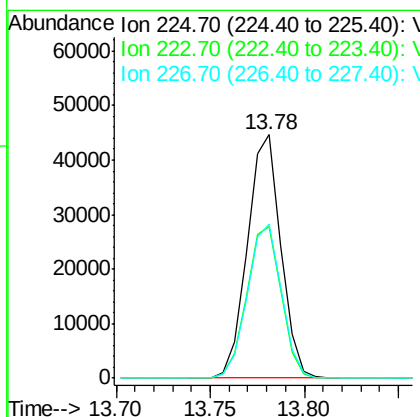
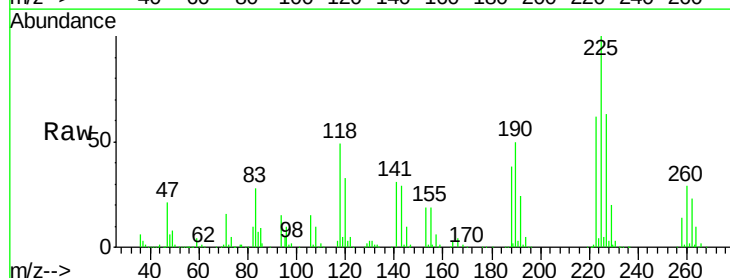
Manual Integrations
 APPROVED

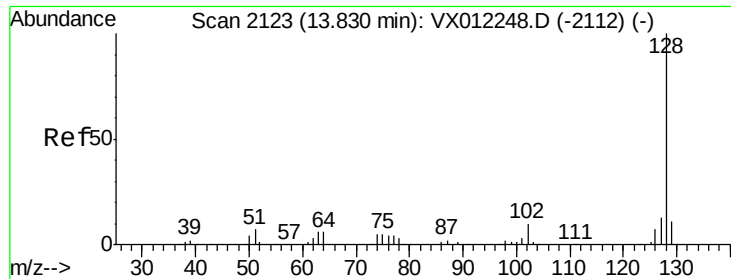
MMDadoda
 9/13/2019 10:11:50 AM



#94
 Hexachlorobutadiene
 Concen: 48.490 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012351.D
 Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54845		
223	64.0	32.1	96.5	
227	64.3	32.5	97.5	





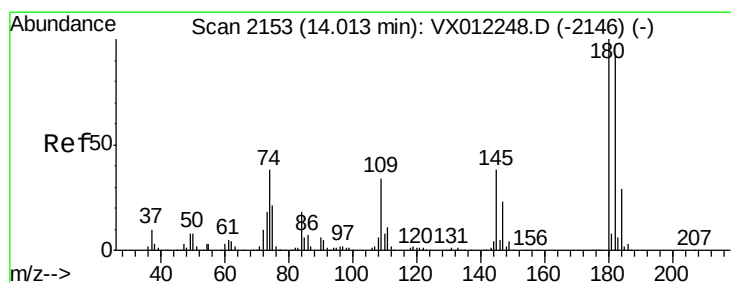
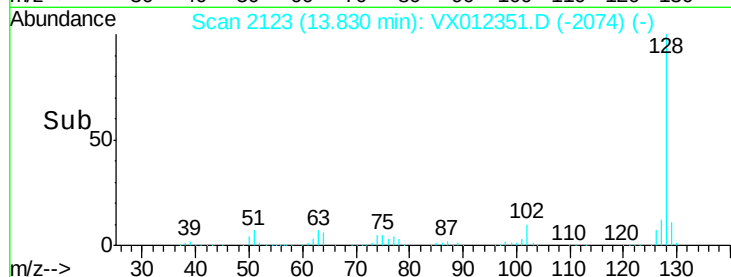
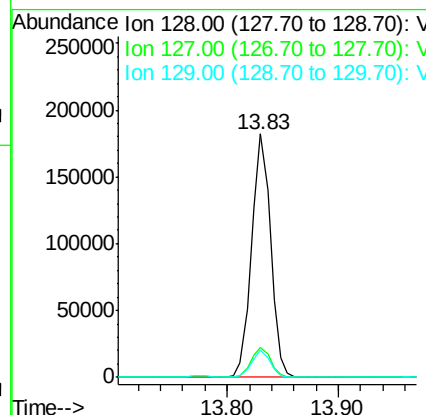
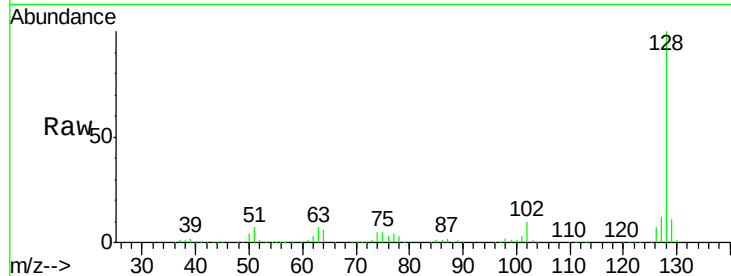
#95
Naphthalene
Concen: 44.349 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 10:11:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.944 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012351.D
Acq: 12 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.0	141.0
145	36.1	18.6	55.8

