

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017351.D
 Acq On : 13 Jul 2020 11:46
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:51 AM

Quant Time: Jul 13 12:26:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	297980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	445630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	363550	98.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.04%	
35) Dibromofluoromethane	5.47	113	295500	103.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.44%	
50) Toluene-d8	8.70	98	1091708	102.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.80%	
62) 4-Bromofluorobenzene	11.12	95	452176	108.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	270113	94.434	ug/l	99
3) Chloromethane	1.31	50	280112	82.473	ug/l	98
4) Vinyl Chloride	1.39	62	285196	89.225	ug/l	98
5) Bromomethane	1.62	94	164610	93.958	ug/l	97
6) Chloroethane	1.70	64	177547	93.256	ug/l	99
7) Trichlorofluoromethane	1.91	101	477960	98.751	ug/l	98
8) Diethyl Ether	2.17	74	160873	92.057	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	263336	92.349	ug/l	99
10) Methyl Iodide	2.49	142	371547	102.110	ug/l	99
11) Tert butyl alcohol	3.03	59	325552	472.316	ug/l	100
12) 1,1-Dichloroethene	2.36	96	259951	89.290	ug/l	96
13) Acrolein	2.27	56	187815	459.139	ug/l	99
14) Allyl chloride	2.70	41	466342	87.144	ug/l	100
15) Acrylonitrile	3.12	53	769983	462.766	ug/l	99
16) Acetone	2.42	43	641183	469.844	ug/l	98
17) Carbon Disulfide	2.55	76	777639	87.058	ug/l	98
18) Methyl Acetate	2.75	43	315127	89.224	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	942011	95.941	ug/l	98
20) Methylene Chloride	2.83	84	297067	85.741	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	302045	92.908	ug/l	96
22) Diisopropyl ether	3.82	45	895719	90.500	ug/l	99
23) Vinyl Acetate	3.79	43	4083674	478.281	ug/l	99
24) 1,1-Dichloroethane	3.67	63	515053	91.054	ug/l	99
25) 2-Butanone	4.64	43	1068907	473.407	ug/l	97
26) 2,2-Dichloropropane	4.55	77	477128	93.945	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	332121	90.692	ug/l	98
28) Bromochloromethane	4.99	49	237482	86.581	ug/l	99
29) Tetrahydrofuran	5.09	42	689699	464.338	ug/l	99
30) Chloroform	5.18	83	547623	93.653	ug/l	99
31) Cyclohexane	5.54	56	446098	92.177	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	518337	95.817	ug/l	99
36) 1,1-Dichloropropene	5.77	75	409866	97.277	ug/l	100
37) Ethyl Acetate	4.79	43	421915	99.258	ug/l	99
38) Carbon Tetrachloride	5.75	117	480572	102.505	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017351.D
 Acq On : 13 Jul 2020 11:46
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:51 AM

Quant Time: Jul 13 12:26:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	467629	100.233	ug/l	97
40) Benzene	6.12	78	1178609	95.502	ug/l	99
41) Methacrylonitrile	5.01	41	235352	98.357	ug/l	98
42) 1,2-Dichloroethane	6.17	62	453258	100.591	ug/l	99
43) Isopropyl Acetate	6.42	43	704869	99.649	ug/l	100
44) Trichloroethene	7.19	130	357552	95.498	ug/l	97
45) 1,2-Dichloropropane	7.49	63	301622	95.215	ug/l	99
46) Dibromomethane	7.63	93	218925	100.556	ug/l	99
47) Bromodichloromethane	7.88	83	463184	102.997	ug/l	99
48) Methyl methacrylate	7.74	41	351702	104.759	ug/l	99
49) 1,4-Dioxane	7.71	88	139686	1853.449	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	2203998	521.464	ug/l	100
52) Toluene	8.77	92	781875	100.995	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	532078	107.326	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	542948	102.369	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	322600	101.516	ug/l	98
56) Ethyl methacrylate	9.16	69	503563	111.744	ug/l	100
57) 1,3-Dichloropropane	9.35	76	537429	100.307	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1256136	557.915	ug/l	100
59) 2-Hexanone	9.48	43	1679711	541.137	ug/l	100
60) Dibromochloromethane	9.57	129	410502	110.344	ug/l	99
61) 1,2-Dibromoethane	9.65	107	358011	104.663	ug/l	99
64) Tetrachloroethene	9.32	164	362242	100.493	ug/l	96
65) Chlorobenzene	10.12	112	885398	97.363	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	358285	101.527	ug/l	99
67) Ethyl Benzene	10.24	91	1554773	102.542	ug/l	99
68) m/p-Xylenes	10.34	106	1202949	206.664	ug/l	98
69) o-Xylene	10.68	106	580471	104.503	ug/l	100
70) Styrene	10.70	104	1023596	108.369	ug/l	99
71) Bromoform	10.84	173	321930	114.213	ug/l #	99
73) Isopropylbenzene	11.00	105	1567949	100.963	ug/l	99
74) N-amyl acetate	10.88	43	666301	101.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	450521	92.762	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	436697m	94.196	ug/l	
77) Bromobenzene	11.24	156	426122	99.018	ug/l	99
78) n-propylbenzene	11.34	91	1802285	102.555	ug/l	99
79) 2-Chlorotoluene	11.40	91	1064803	100.125	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1356490	105.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	181899	101.924	ug/l	98
82) 4-Chlorotoluene	11.49	91	1277734	100.345	ug/l	100
83) tert-Butylbenzene	11.76	119	1317885	103.994	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1380060	105.240	ug/l	100
85) sec-Butylbenzene	11.93	105	1545389	103.828	ug/l	100
86) p-Isopropyltoluene	12.05	119	1472867	106.438	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	760958	97.248	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	747700	93.658	ug/l	99
89) n-Butylbenzene	12.37	91	1247743	101.341	ug/l	99
90) Hexachloroethane	12.58	117	272460	100.094	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	711826	97.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	115253	98.261	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071320\
Data File : VX017351.D
Acq On : 13 Jul 2020 11:46
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

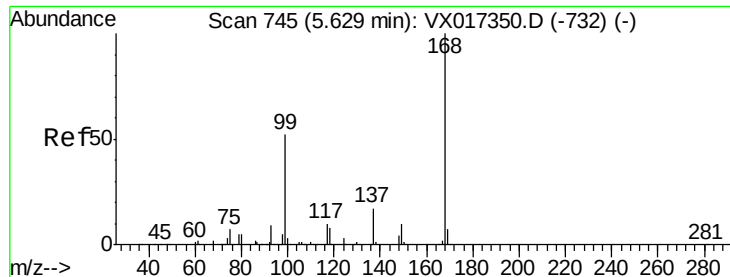
Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM

Quant Time: Jul 13 12:26:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 13 11:59:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	521090	104.526	ug/l	100
94) Hexachlorobutadiene	13.77	225	208356	102.195	ug/l	98
95) Naphthalene	13.82	128	1624021	108.311	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	511147	106.176	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 297980

Ion Ratio Lower Upper

168 100

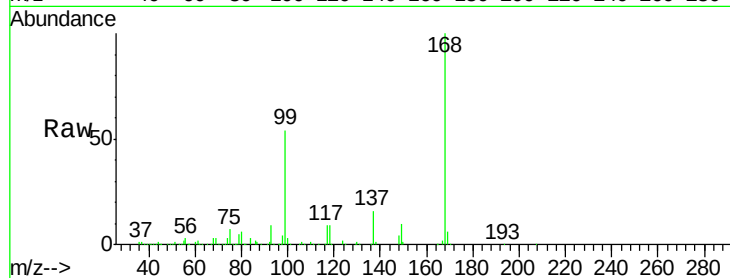
99 54.1 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

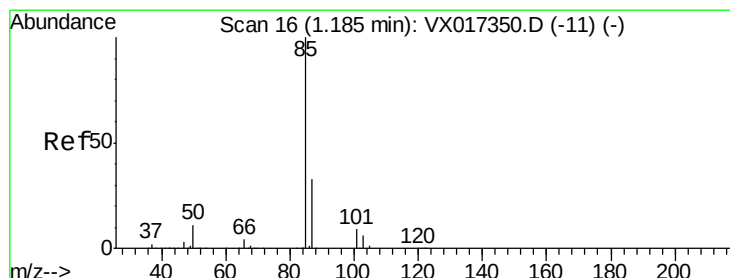
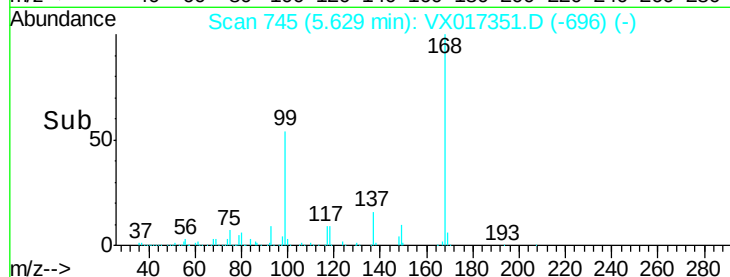
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 94.434 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017351.D

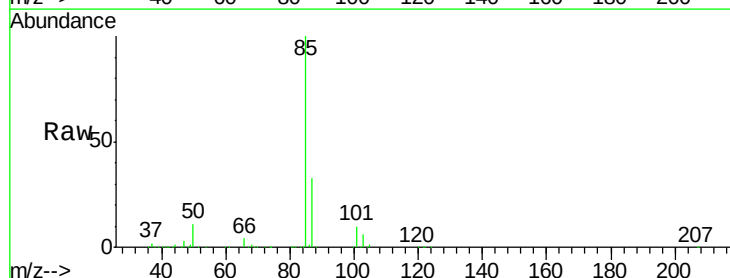
Acq: 13 Jul 2020 11:46

Tgt Ion: 85 Resp: 270113

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

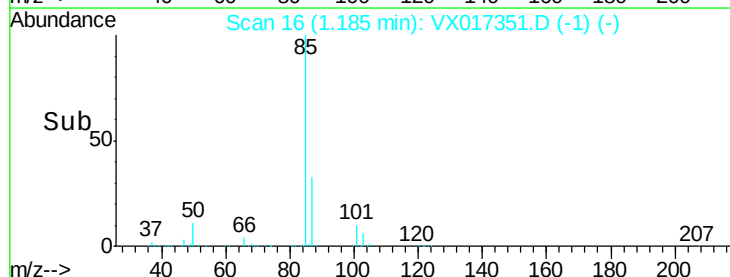
300000

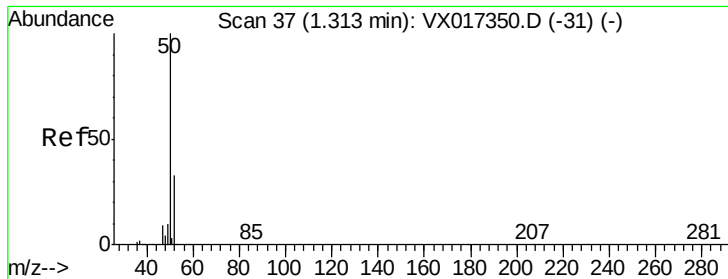
200000

100000

0

Time-->





#3

Chloromethane

Concen: 82.473 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 280112

Ion Ratio Lower Upper

50 100

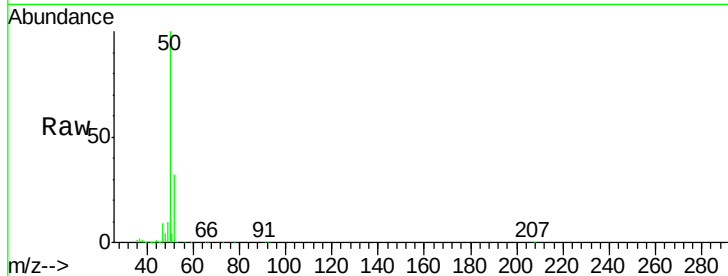
52 32.0 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

300000

250000

200000

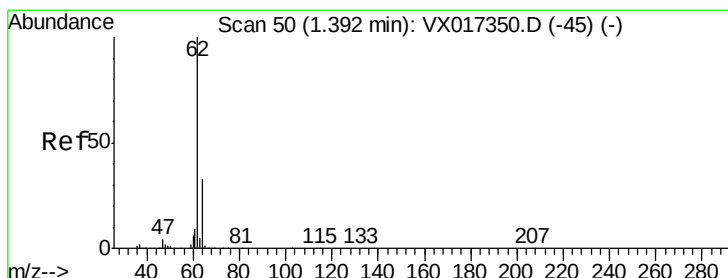
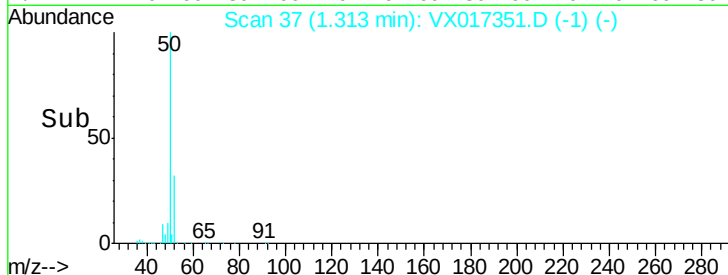
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 89.225 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017351.D

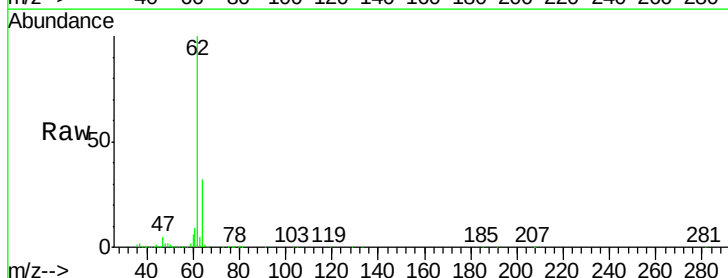
Acq: 13 Jul 2020 11:46

Tgt Ion: 62 Resp: 285196

Ion Ratio Lower Upper

62 100

64 31.9 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

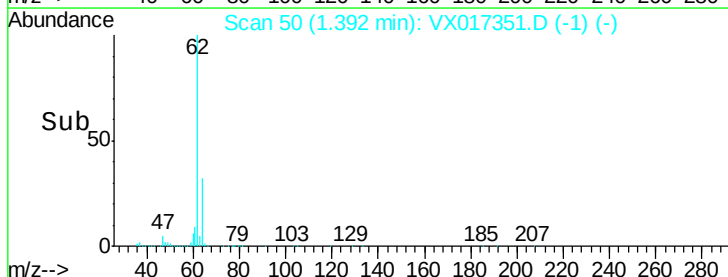
300000

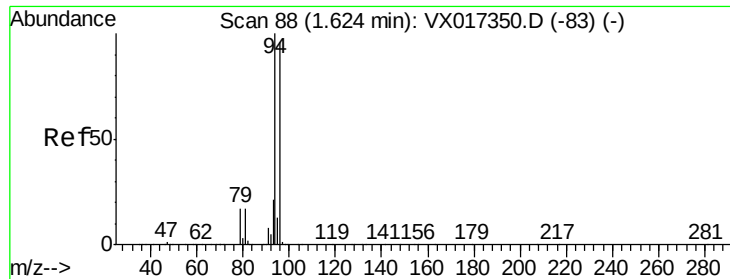
200000

100000

0

Time-->





#5

Bromomethane

Concen: 93.958 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 164610

Ion Ratio Lower Upper

94 100

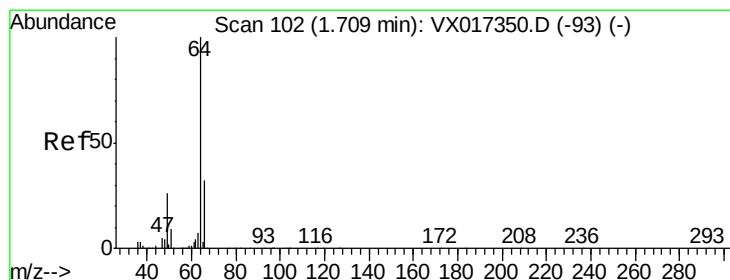
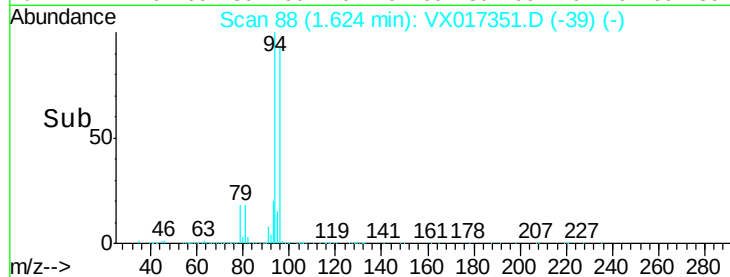
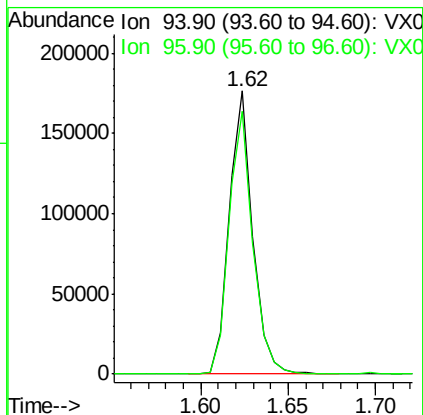
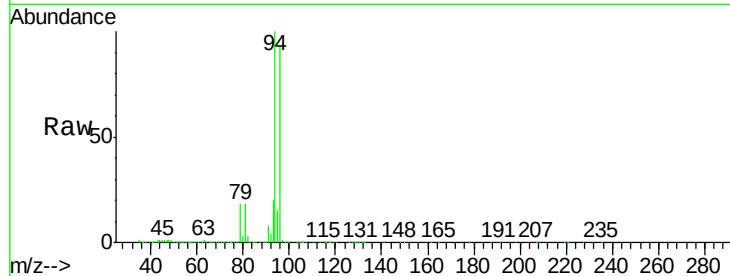
96 92.7 76.6 115.0

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



#6

Chloroethane

Concen: 93.256 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017351.D

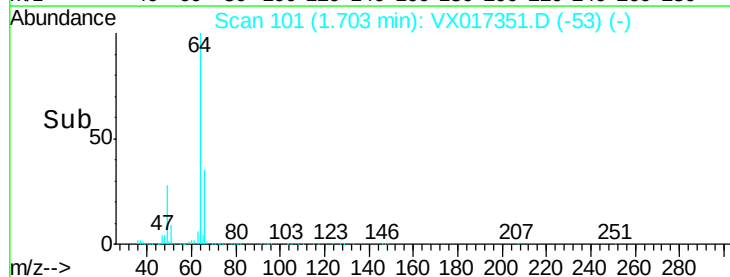
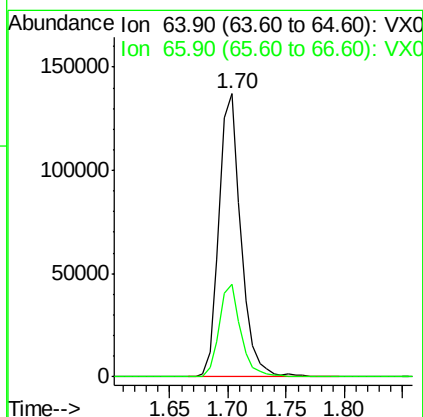
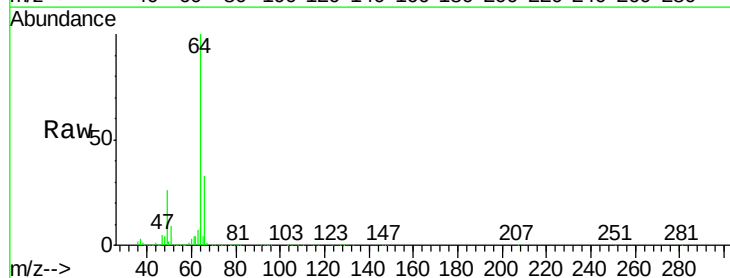
Acq: 13 Jul 2020 11:46

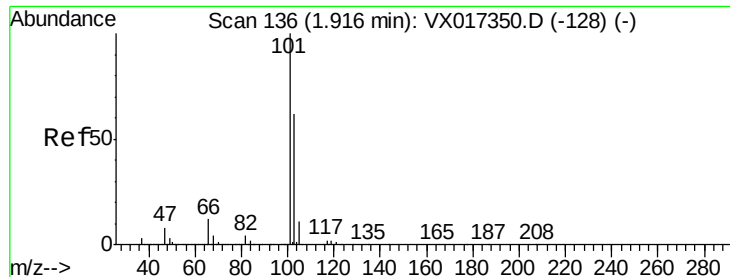
Tgt Ion: 64 Resp: 177547

Ion Ratio Lower Upper

64 100

66 32.8 25.7 38.5





#7

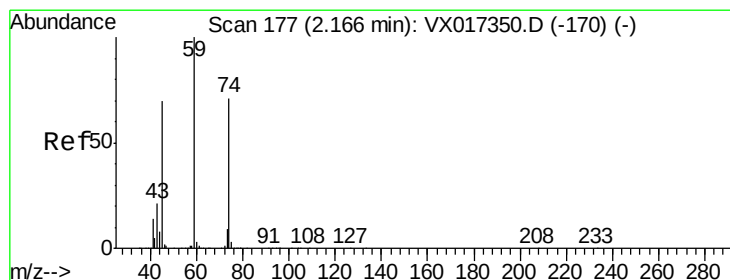
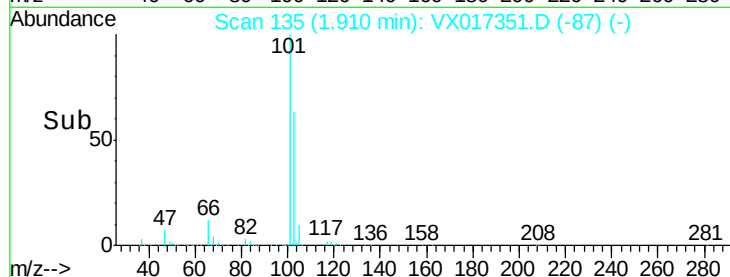
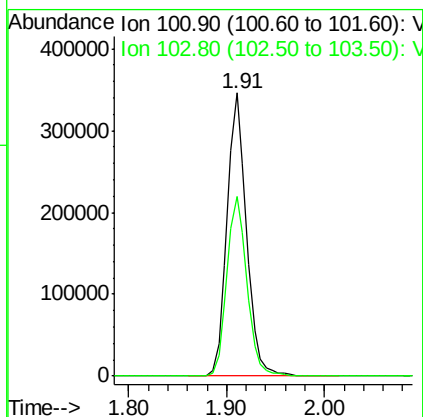
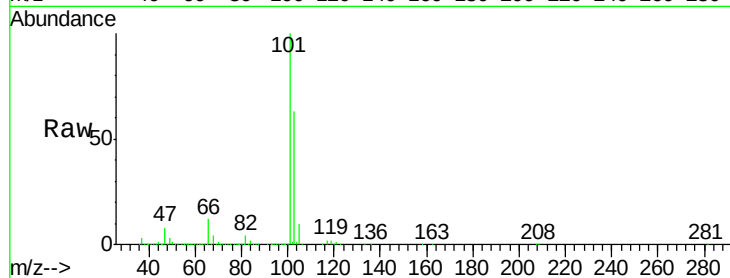
Trichlorofluoromethane
 Concen: 98.751 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		477960		
103	63.5	49.6	74.4		

Manual Integrations
 APPROVED

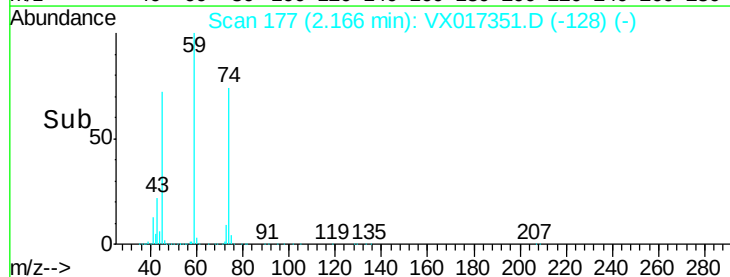
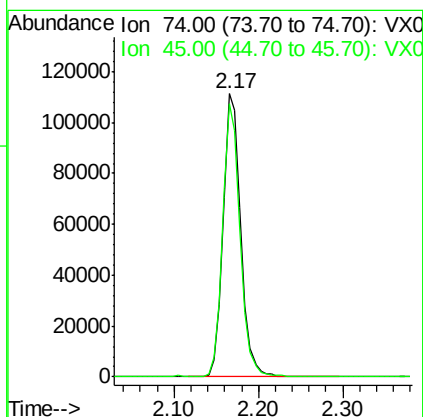
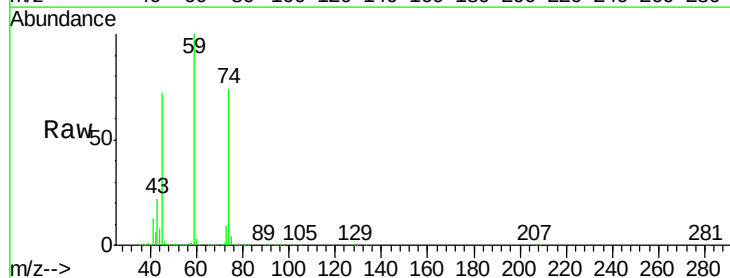
MMDadoda
 7/14/2020 11:35:51 AM

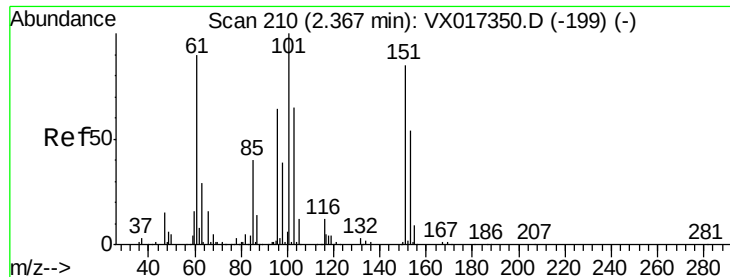


#8

Diethyl Ether
 Concen: 92.057 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		160873		
45	94.7	47.2	141.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.349 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

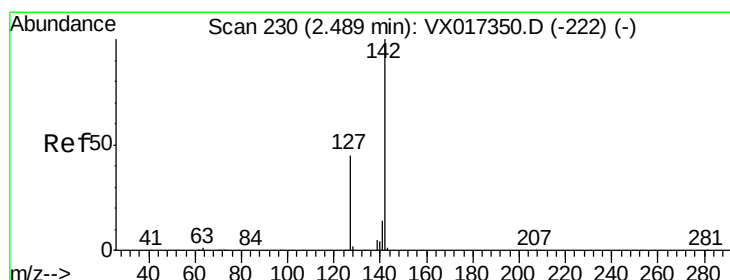
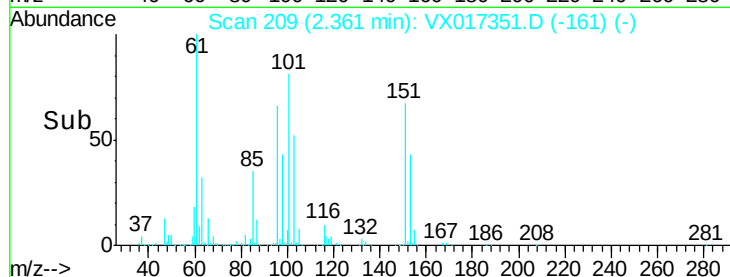
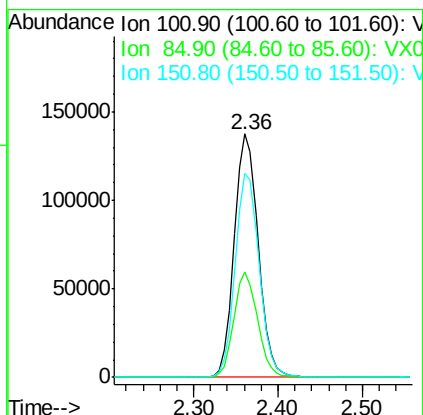
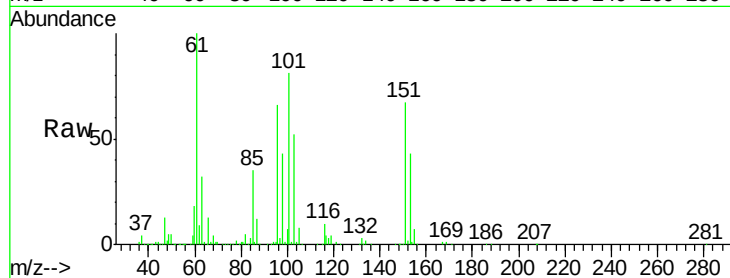
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	263336
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	83.9	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#10

Methyl Iodide

Concen: 102.110 ug/l

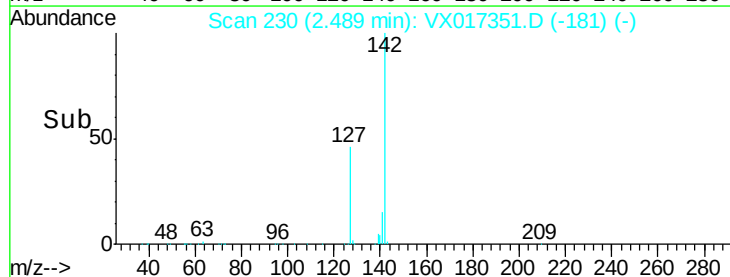
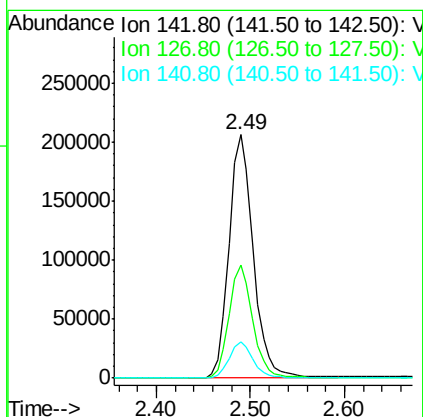
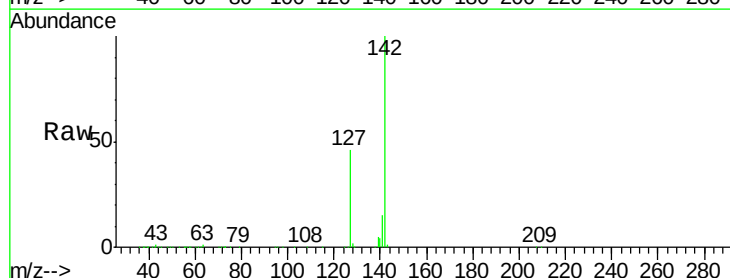
RT: 2.49 min Scan# 230

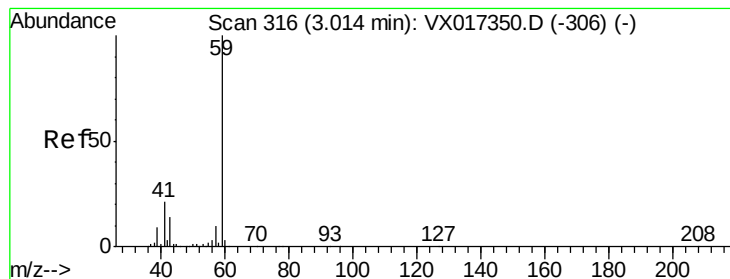
Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	142	Resp:	371547
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.8	55.2
141	14.4	11.4	17.0





#11

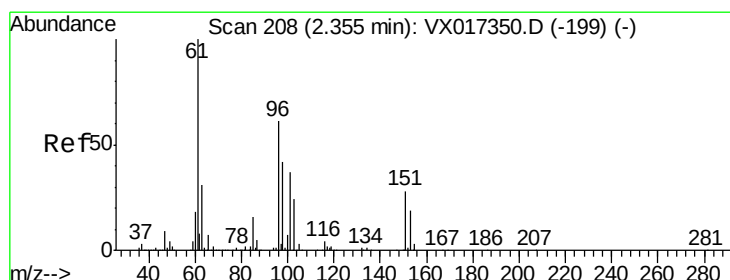
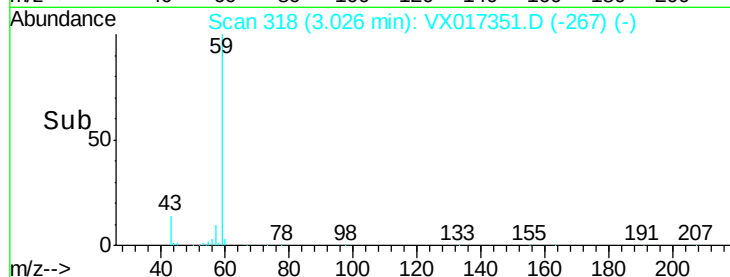
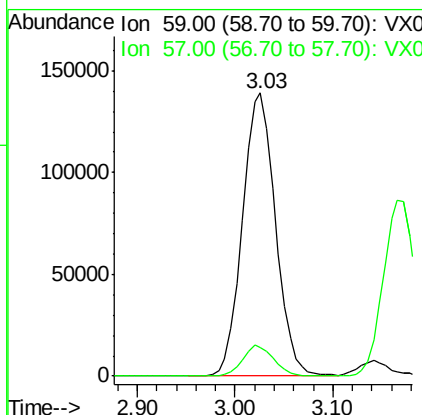
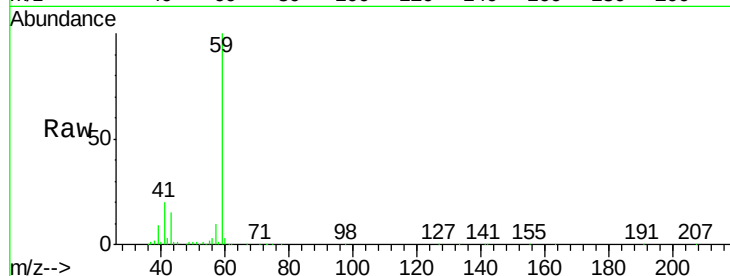
Tert butyl alcohol
Concen: 472.316 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
APPROVED

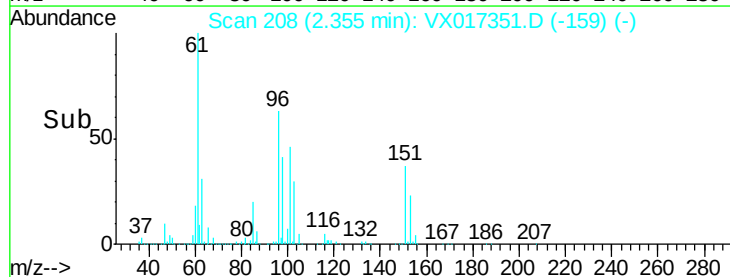
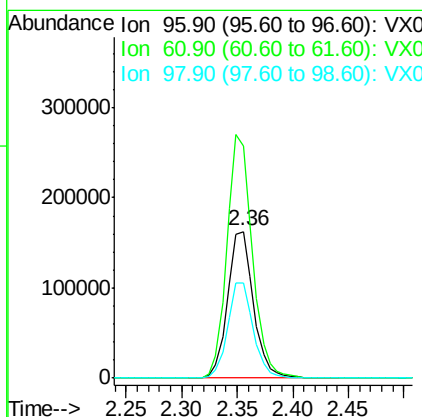
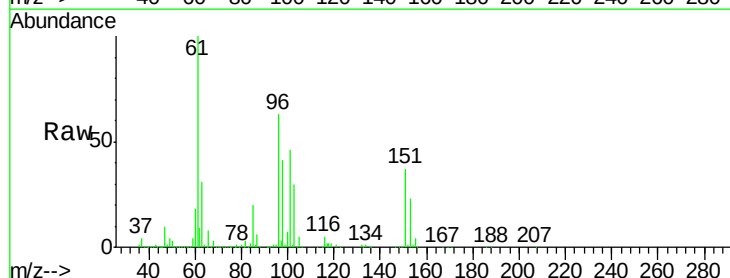
MMDadoda
7/14/2020 11:35:51 AM

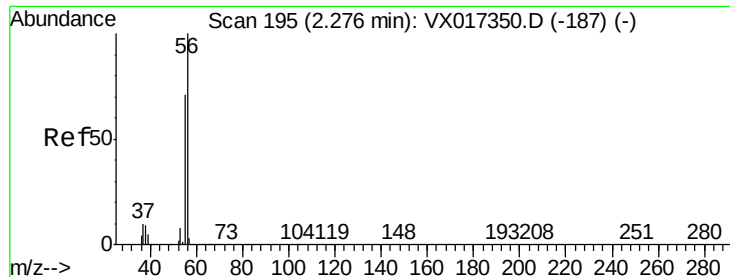


#12

1,1-Dichloroethene
Concen: 89.290 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	131.5	197.3
98	65.2	55.1	82.7





#13

Acrolein

Concen: 459.139 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 187815

Ion Ratio Lower Upper

56 100

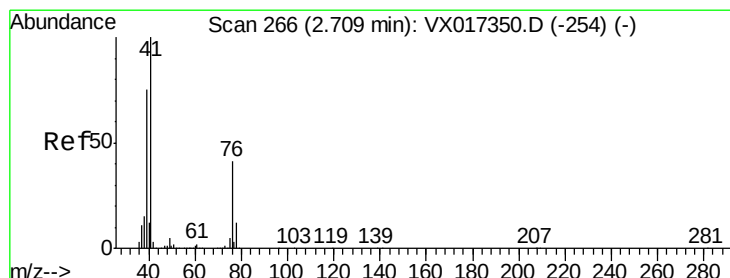
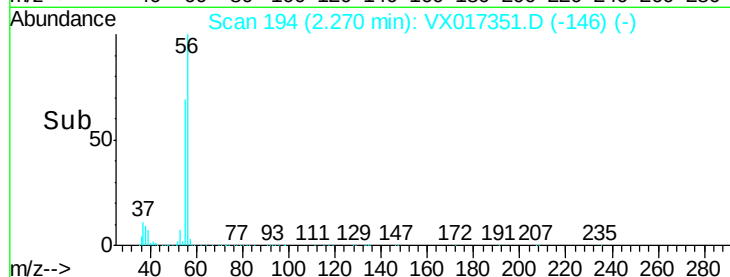
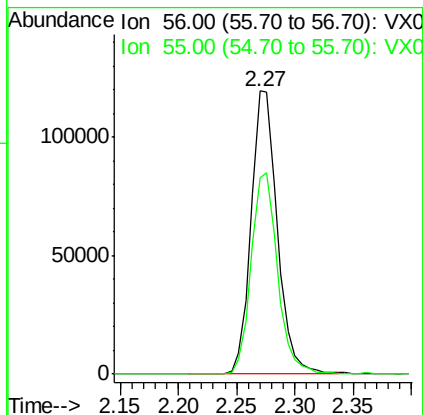
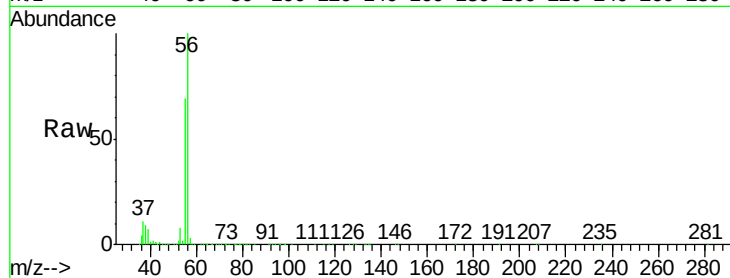
55 72.0 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



#14

Allyl chloride

Concen: 87.144 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

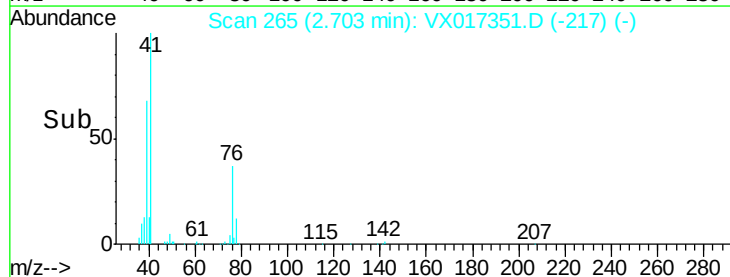
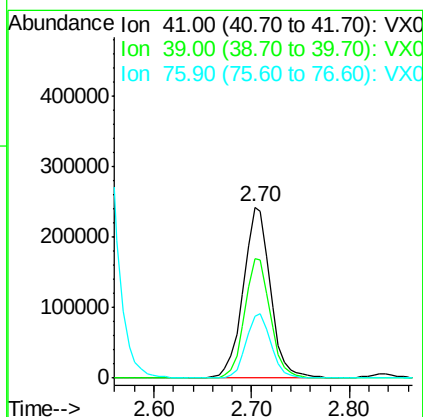
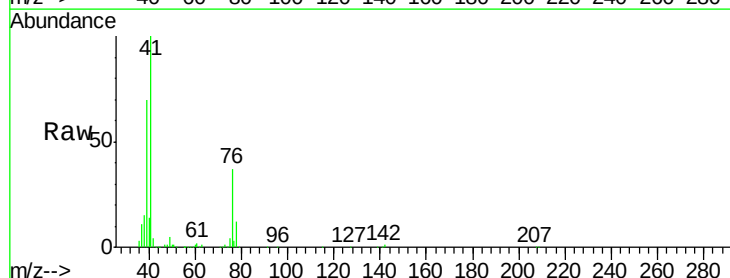
Tgt Ion: 41 Resp: 466342

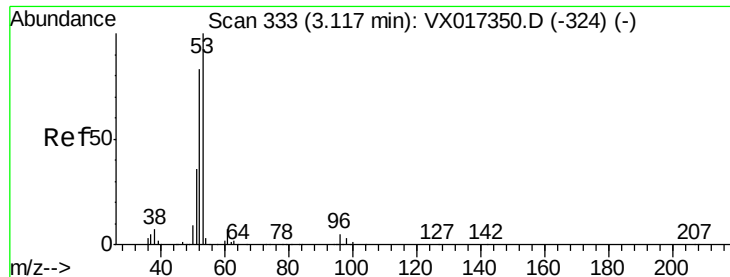
Ion Ratio Lower Upper

41 100

39 66.2 53.0 79.4

76 34.7 28.2 42.2





#15

Acrylonitrile

Concen: 462.766 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

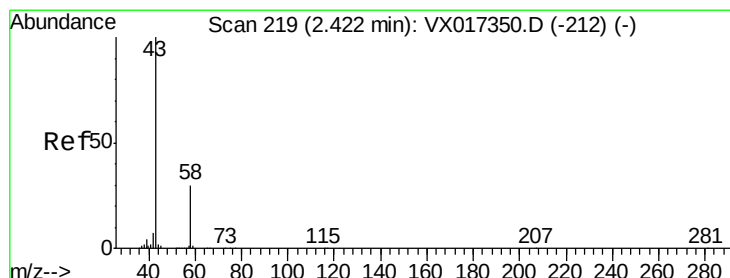
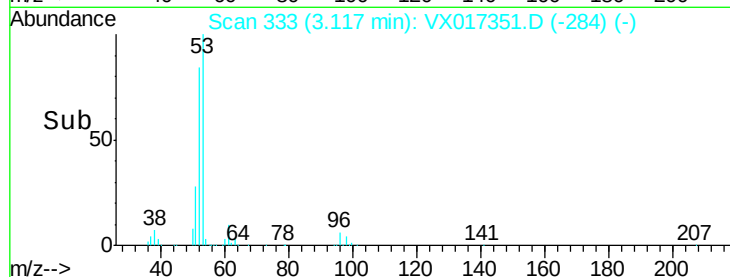
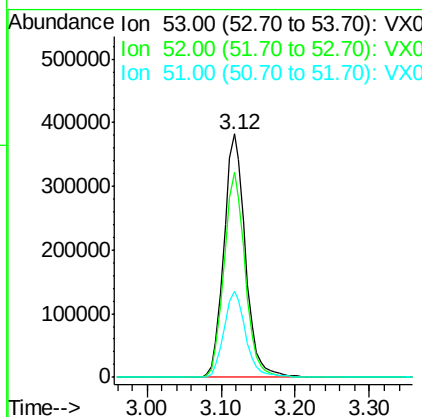
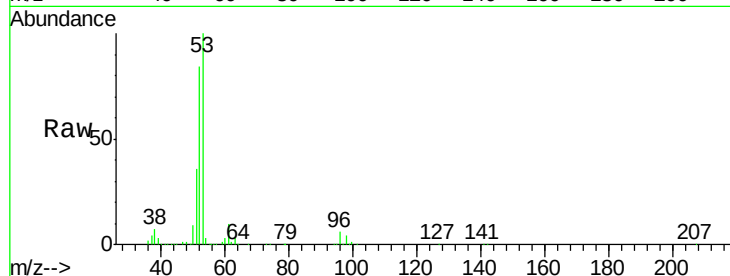
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	769983
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.8	98.6
51	36.1	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#16

Acetone

Concen: 469.844 ug/l

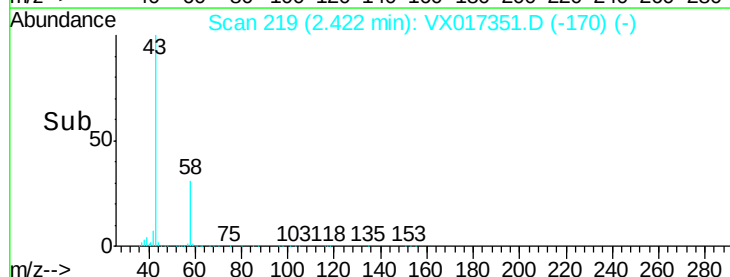
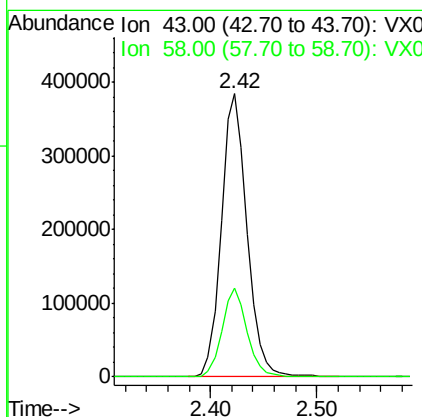
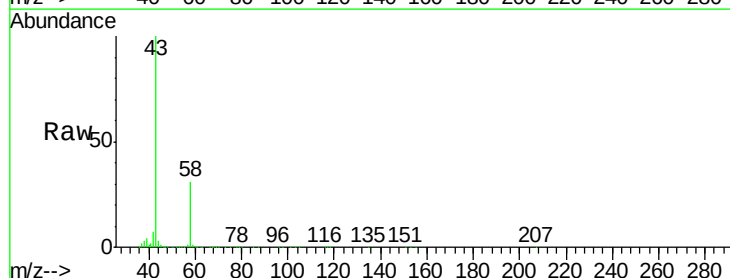
RT: 2.42 min Scan# 219

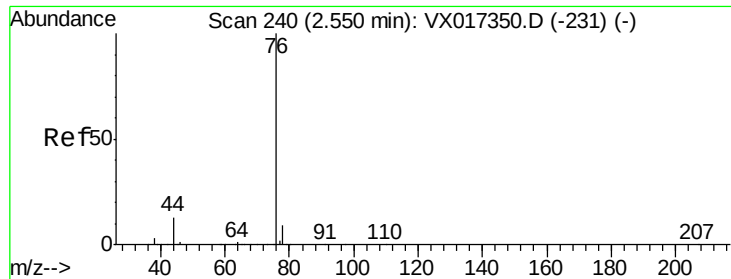
Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	43	Resp:	641183
Ion Ratio	Lower	Upper	
43	100		
58	31.4	24.2	36.2





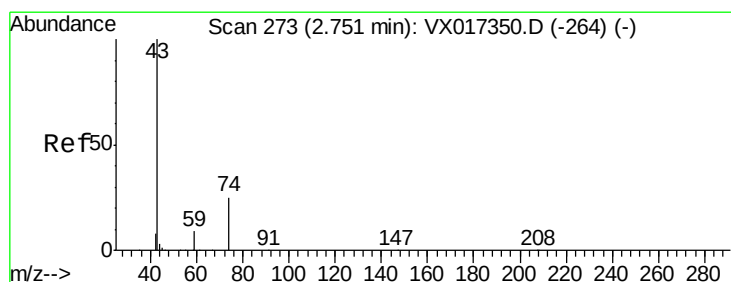
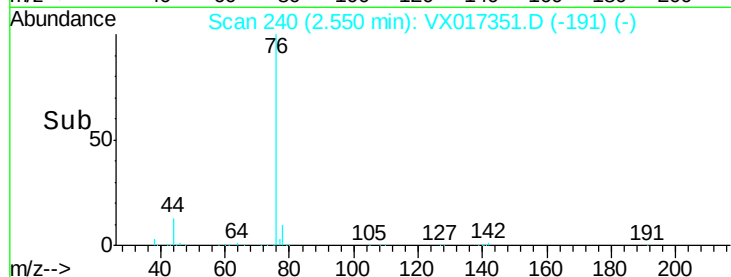
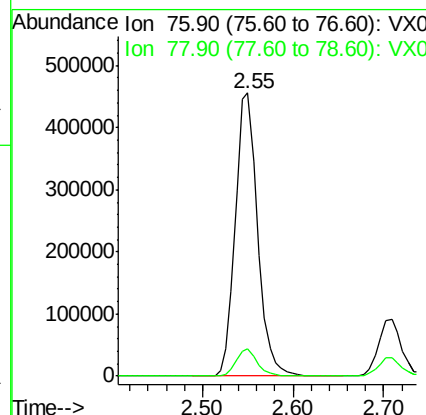
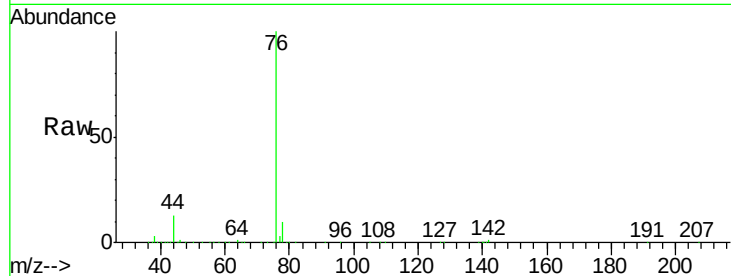
#17
Carbon Disulfide
Concen: 87.058 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

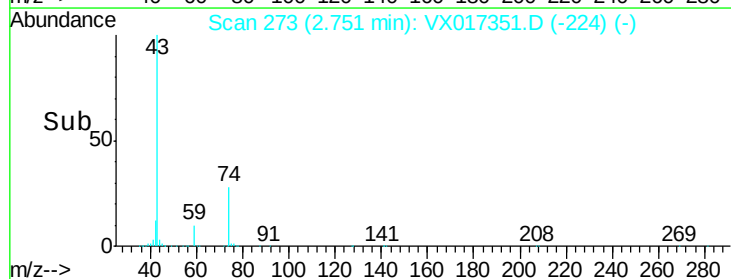
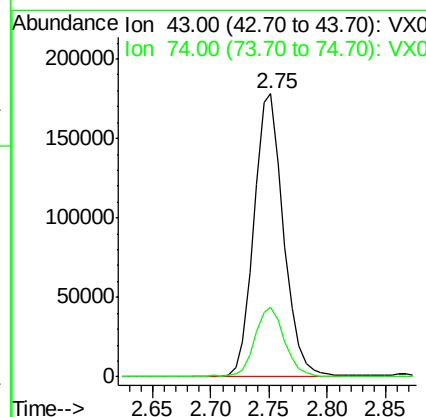
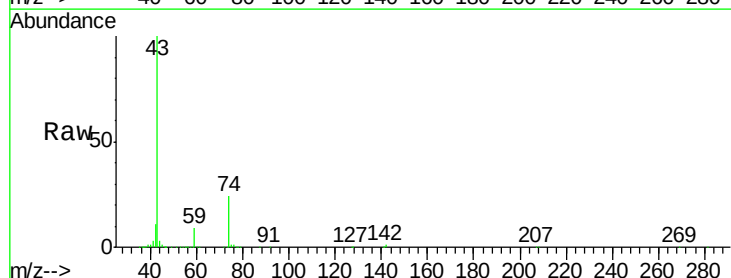
Manual Integrations
APPROVED

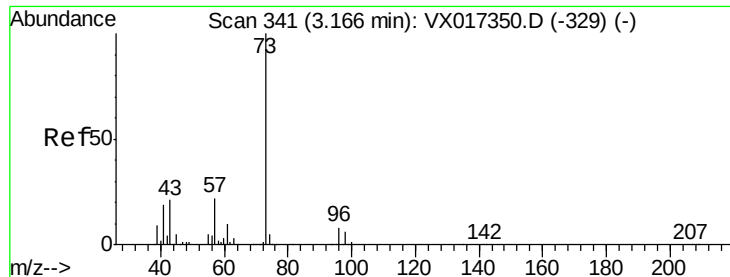
MMDadoda
7/14/2020 11:35:51 AM



#18
Methyl Acetate
Concen: 89.224 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.4	29.2





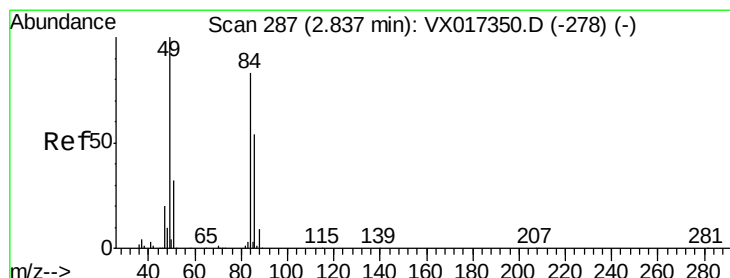
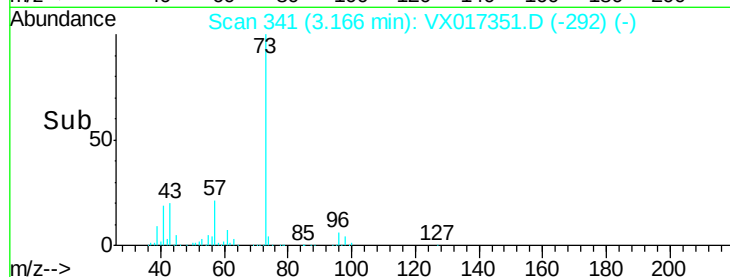
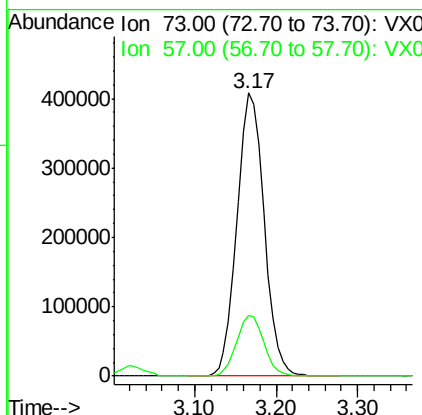
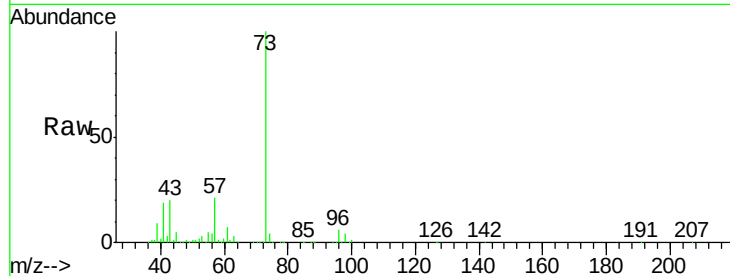
#19
Methyl tert-butyl Ether
Concen: 95.941 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.5	26.3

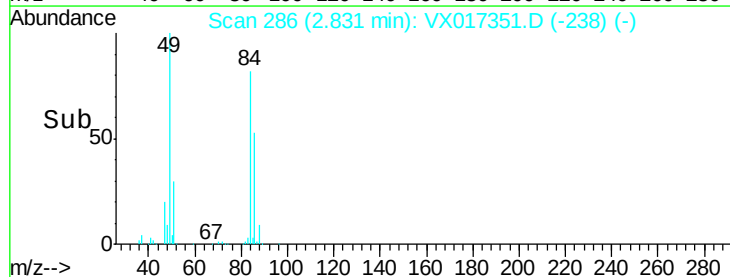
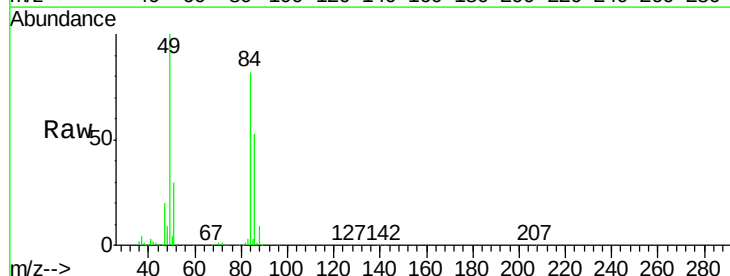
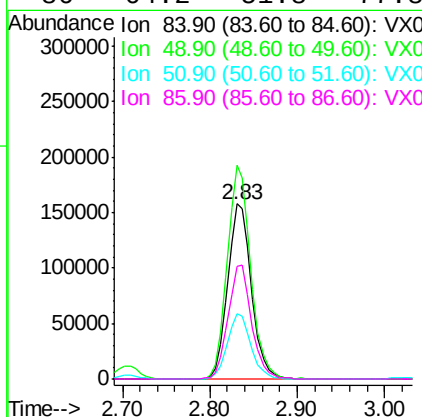
Manual Integrations
APPROVED

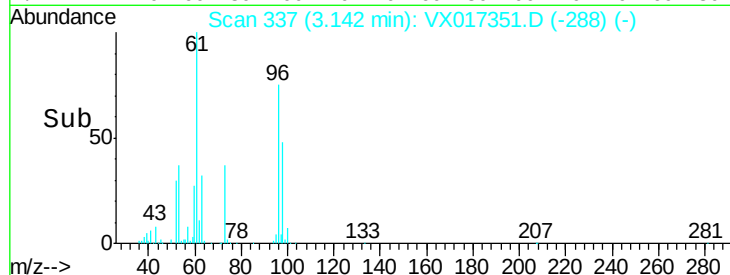
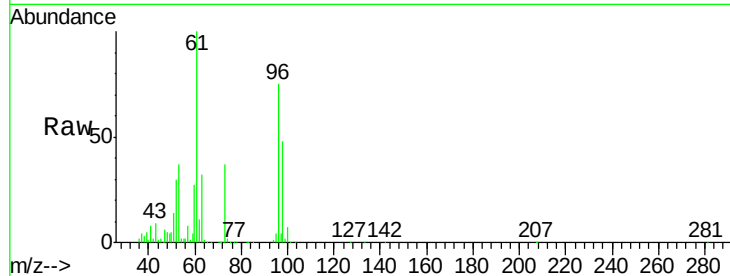
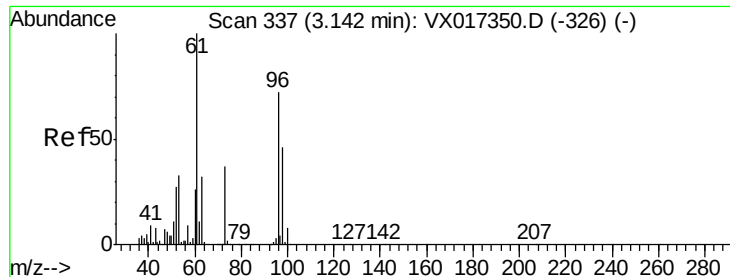
MMDadoda
7/14/2020 11:35:51 AM



#20
Methylene Chloride
Concen: 85.741 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	95.8	143.8
51	37.1	31.0	46.4
86	64.2	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 92.908 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017351.D

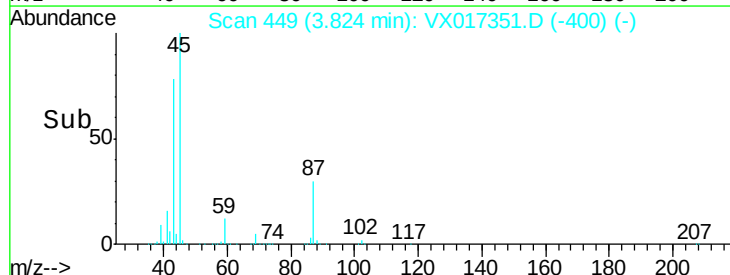
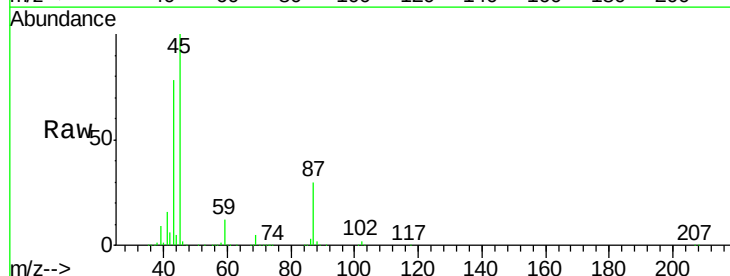
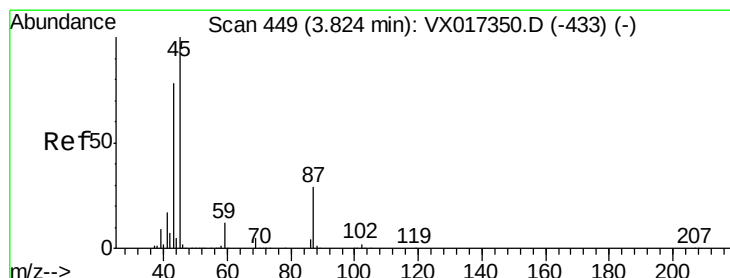
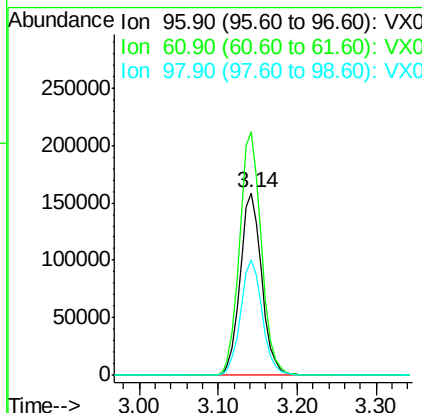
Acq: 13 Jul 2020 11:46

Tot Ion:	96	Resp:	302045
Ion	Ratio	Lower	Upper
96	100		
61	133.1	111.1	166.7
98	63.3	51.4	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#22

Diisopropyl ether

Concen: 90.500 ug/l

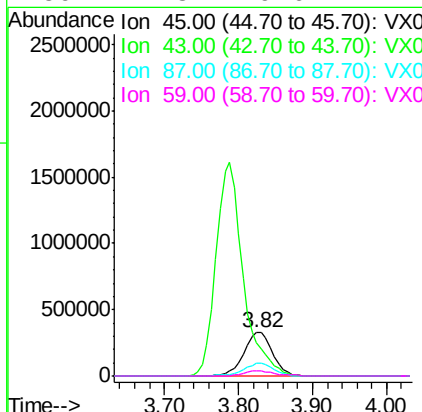
RT: 3.82 min Scan# 449

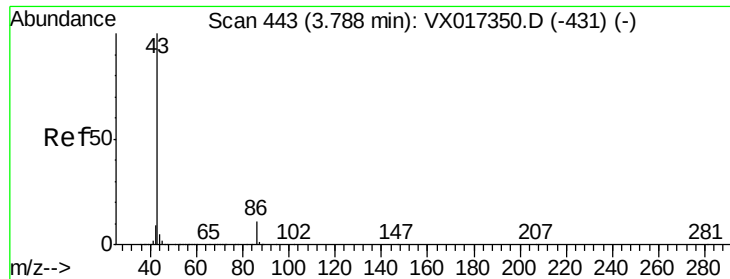
Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	45	Resp:	895719
Ion	Ratio	Lower	Upper
45	100		
43	77.1	62.2	93.2
87	29.7	23.0	34.6
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 478.281 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4083674

Ion Ratio Lower Upper

43 100

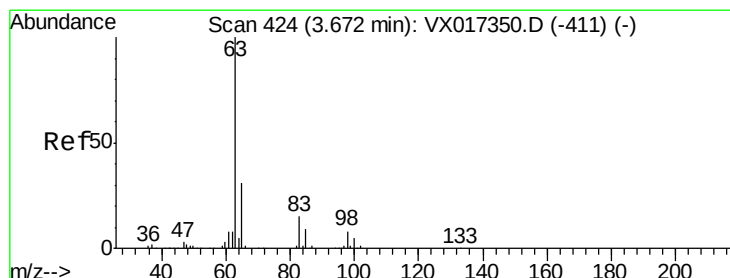
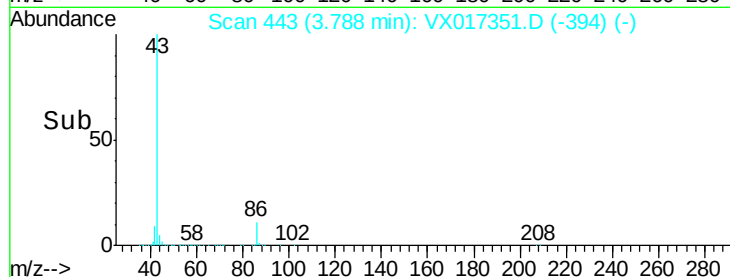
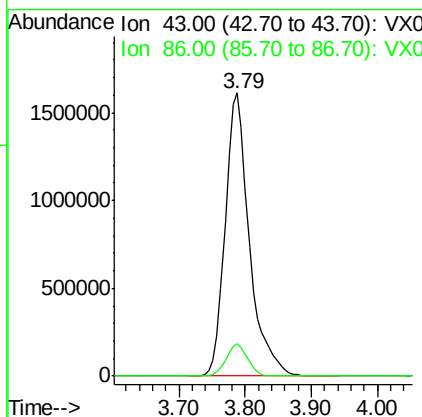
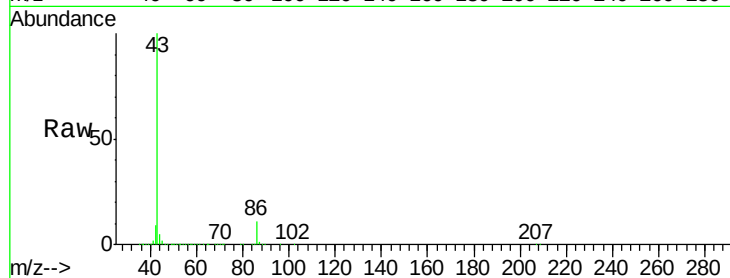
86 11.4 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



#24

1,1-Dichloroethane

Concen: 91.054 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

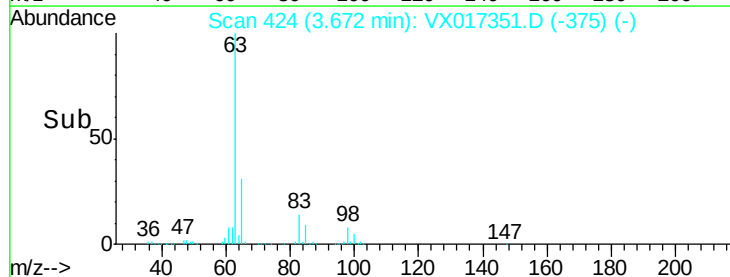
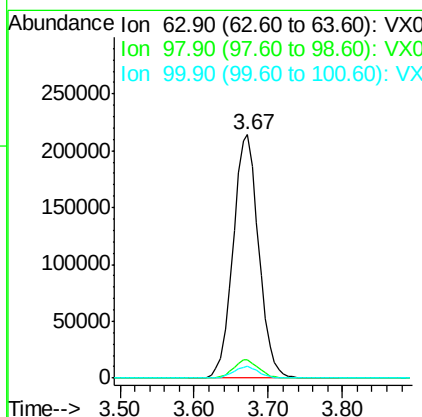
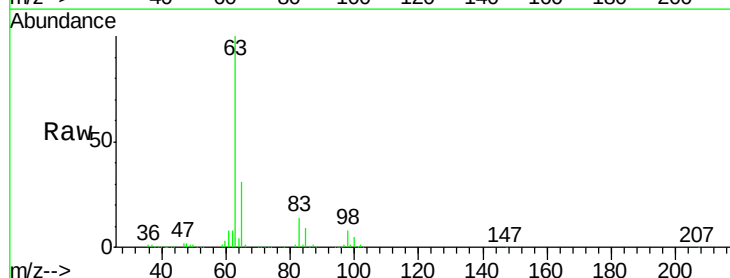
Tgt Ion: 63 Resp: 515053

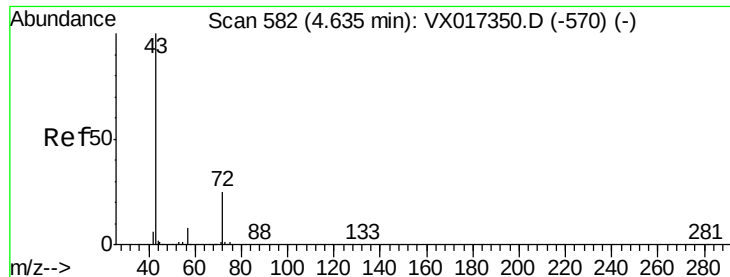
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 473.407 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1068907

Ion Ratio Lower Upper

43 100

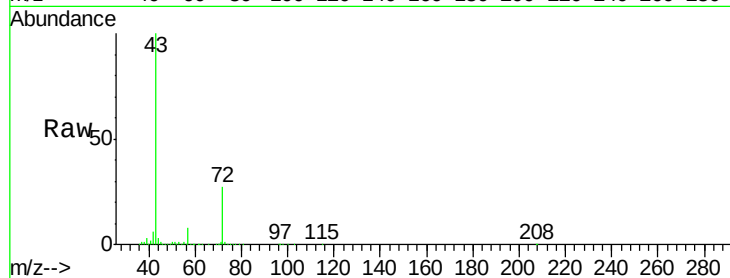
72 26.9 20.4 30.6

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.64

400000

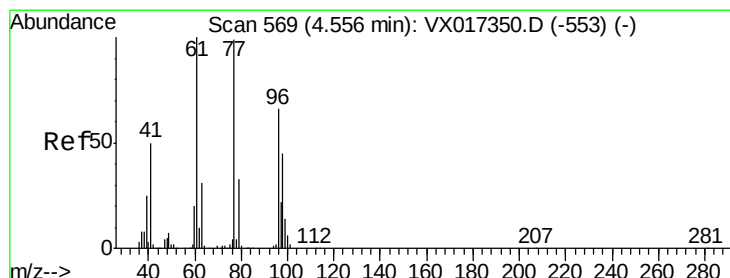
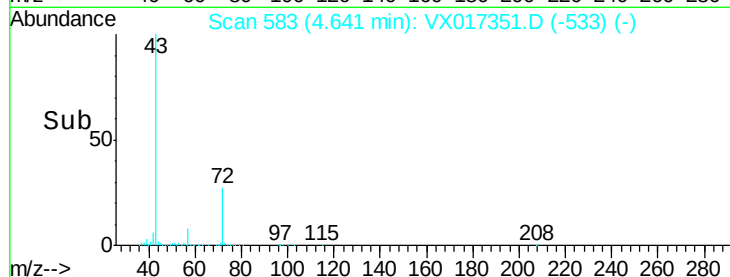
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 93.945 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017351.D

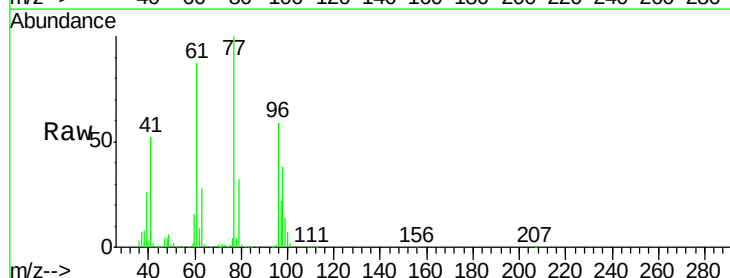
Acq: 13 Jul 2020 11:46

Tgt Ion: 77 Resp: 477128

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.55

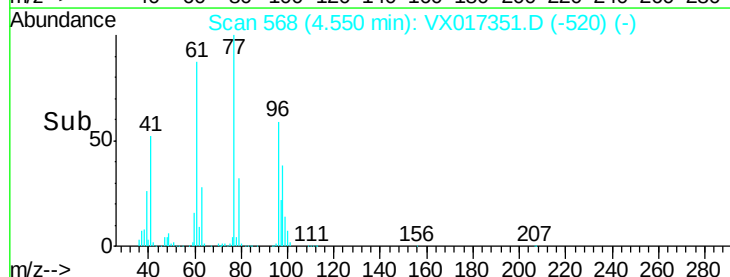
150000

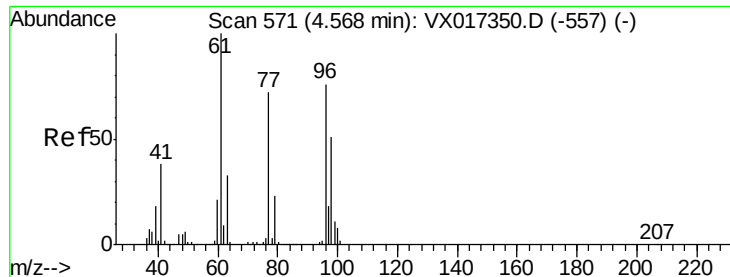
100000

50000

0

Time-->





#27

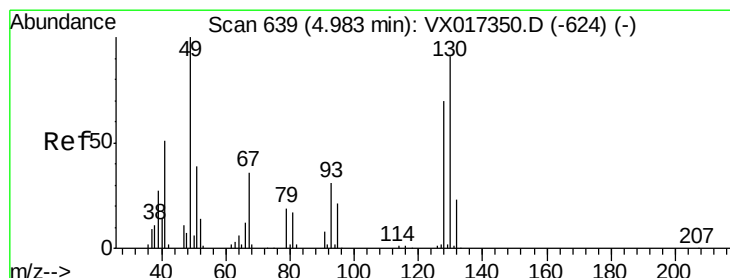
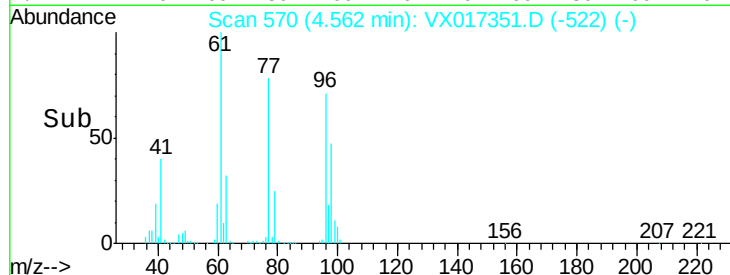
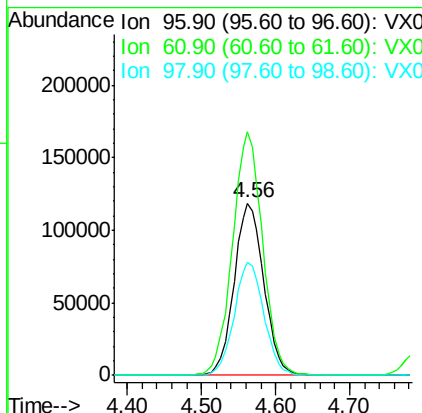
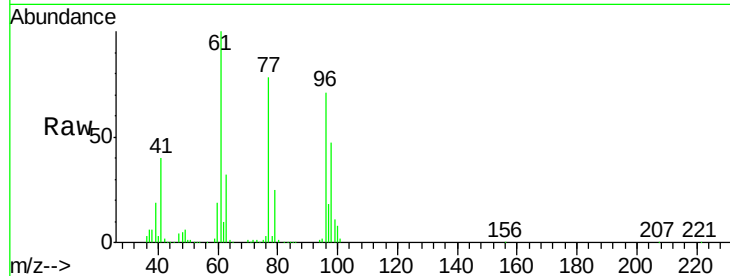
cis-1,2-Dichloroethene
Concen: 90.692 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.4	0.0	281.2	
98	65.7	0.0	131.4	

Manual Integrations
APPROVED

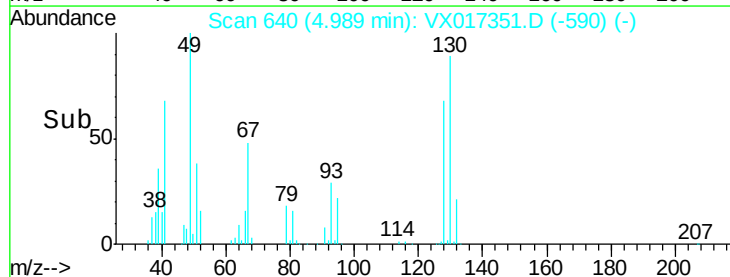
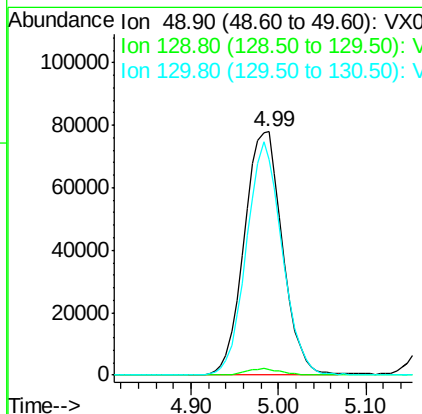
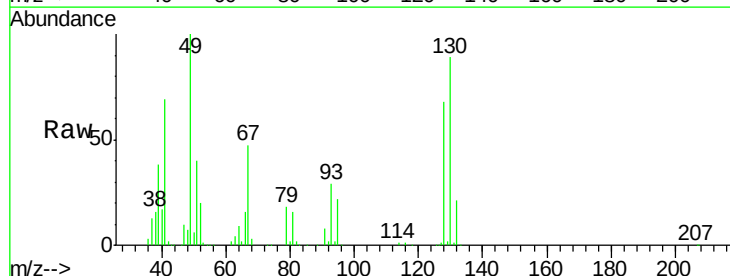
MMDadoda
7/14/2020 11:35:51 AM

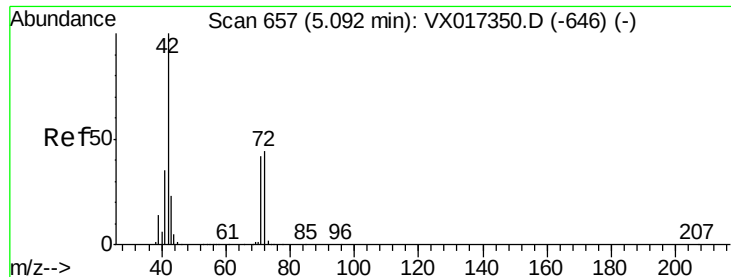


#28

Bromochloromethane
Concen: 86.581 ug/l
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.8	
130	89.5	71.1	106.7	





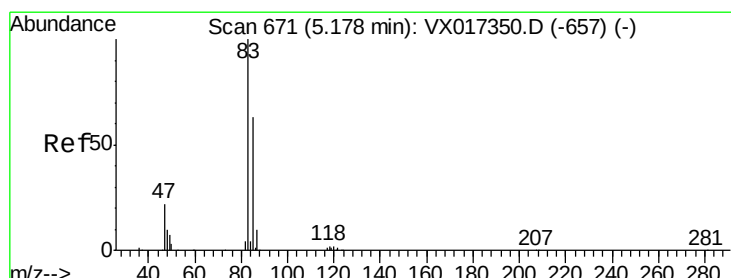
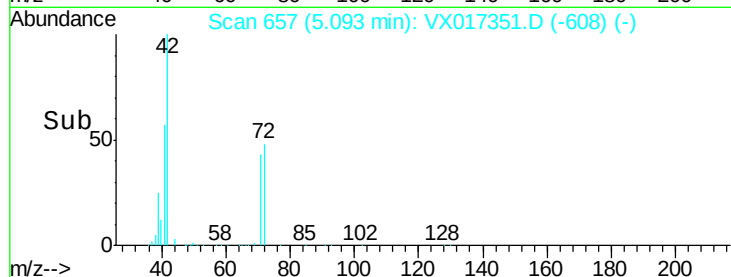
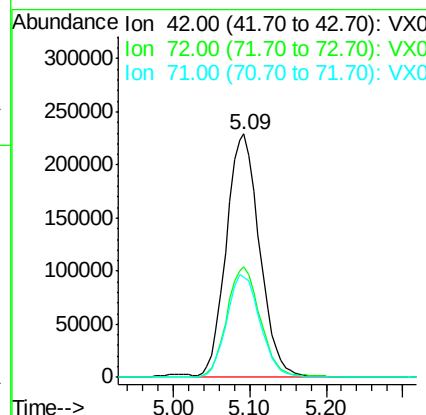
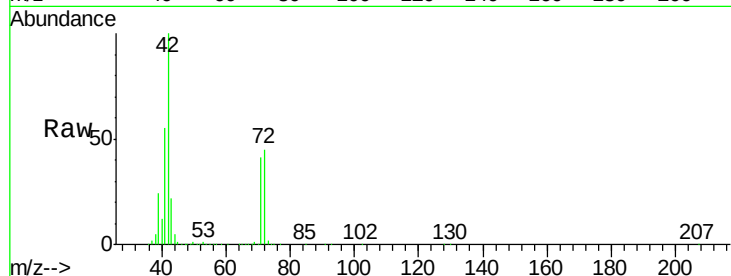
#29
Tetrahydrofuran
Concen: 464.338 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.2	55.8
71	42.5	34.4	51.6

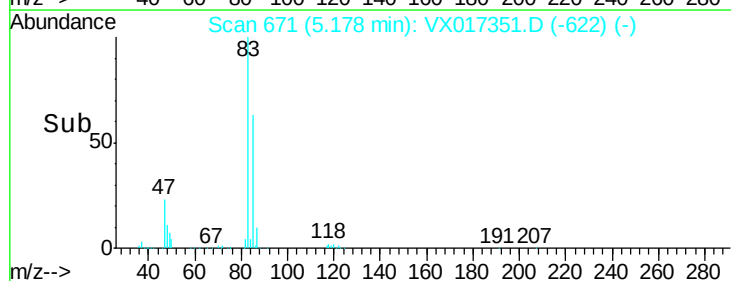
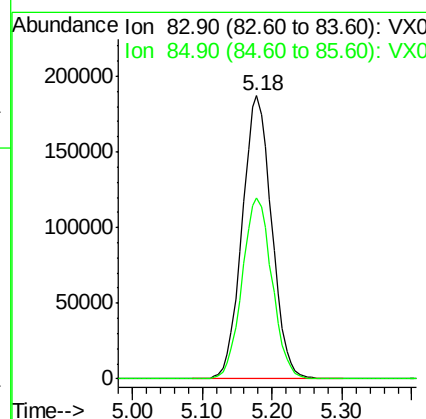
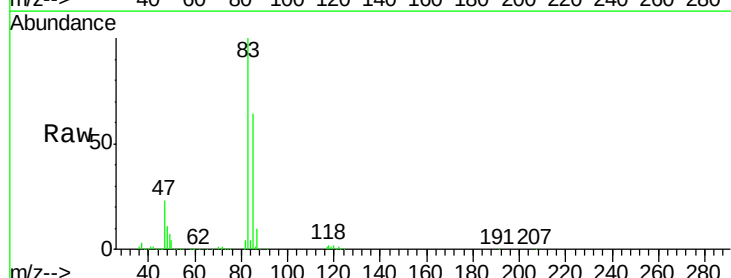
Manual Integrations
APPROVED

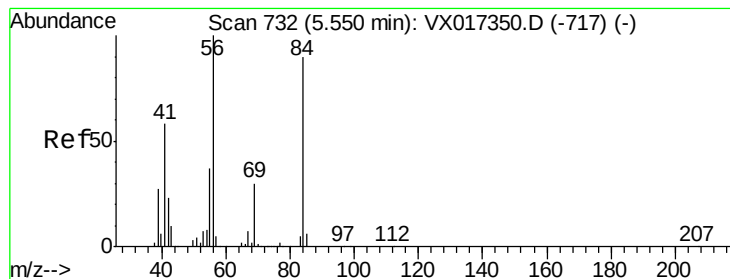
MMDadoda
7/14/2020 11:35:51 AM



#30
Chloroform
Concen: 93.653 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.2	75.4





#31

Cyclohexane

Concen: 92.177 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 446098

Ion Ratio Lower Upper

56 100

69 29.1 23.7 35.5

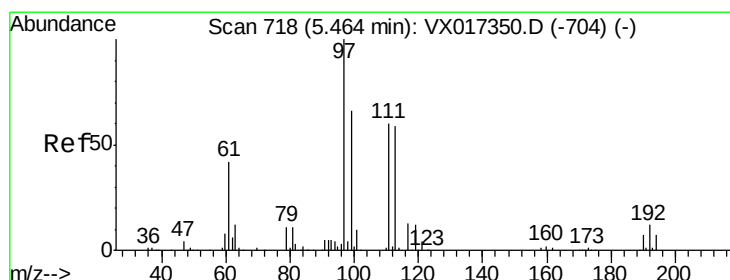
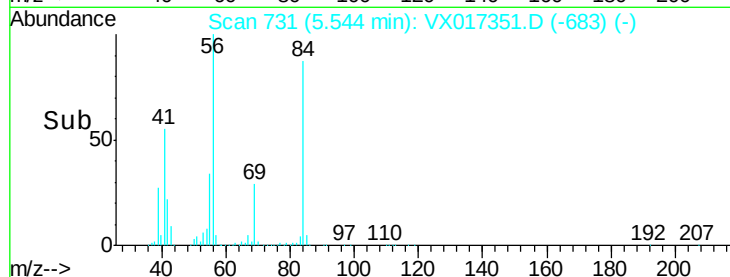
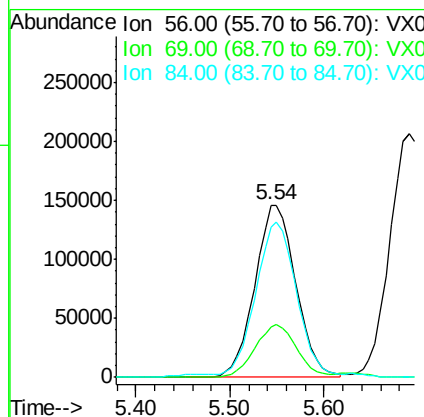
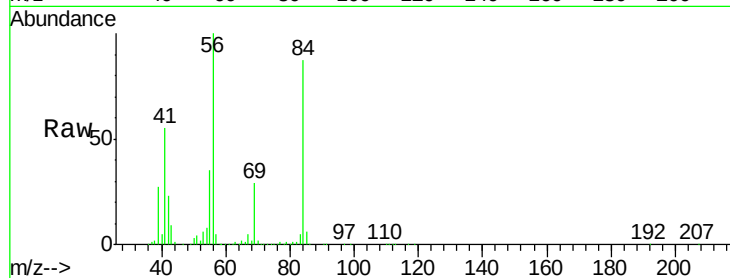
84 85.5 71.8 107.6

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



#32

1,1,1-Trichloroethane

Concen: 95.817 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

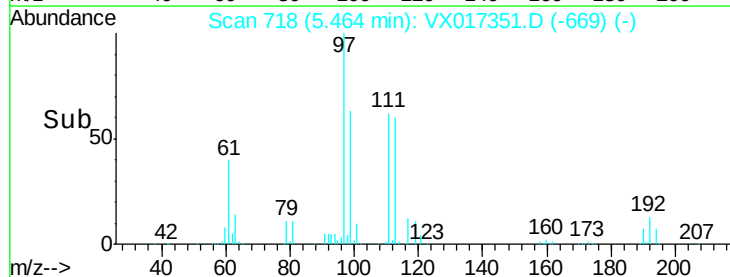
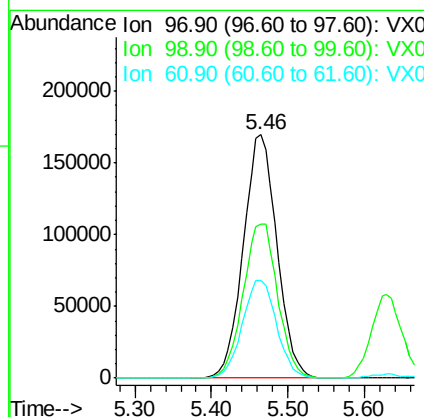
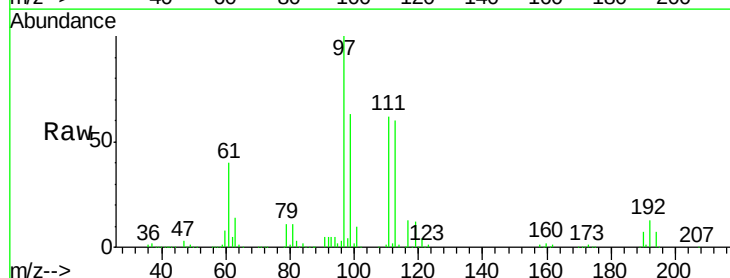
Tgt Ion: 97 Resp: 518337

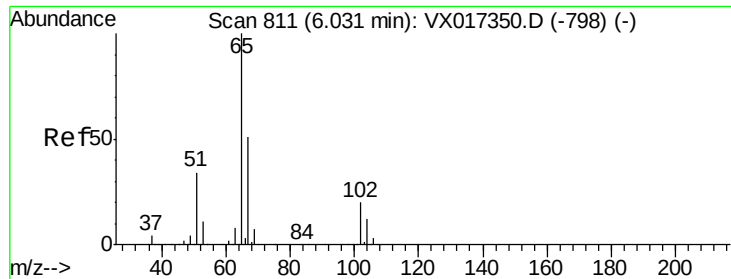
Ion Ratio Lower Upper

97 100

99 65.0 51.2 76.8

61 41.0 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 98.018 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 65 Resp: 363550

Ion Ratio Lower Upper

65 100

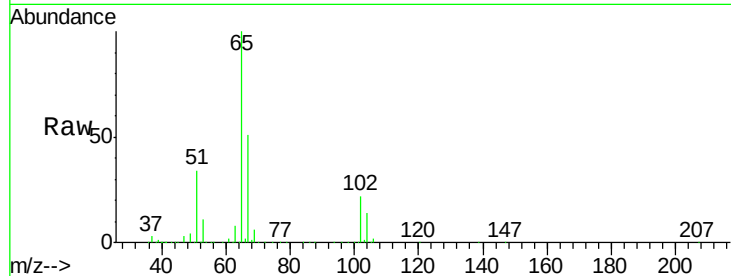
67 51.6 0.0 101.6

Manual Integrations

APPROVED

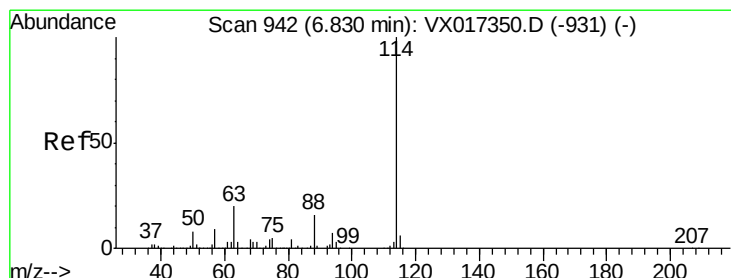
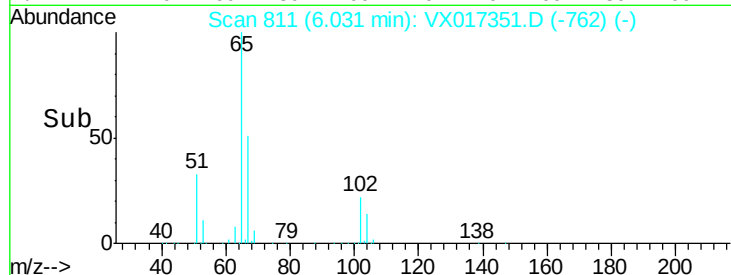
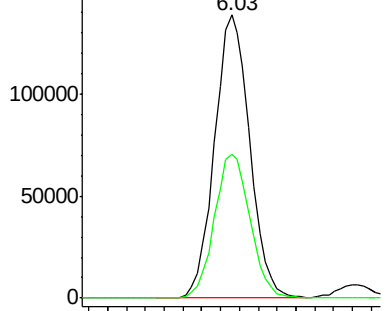
MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

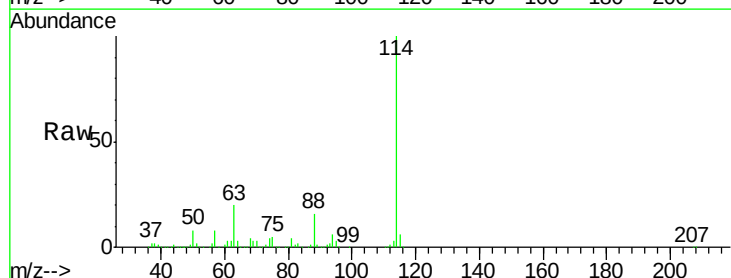
Tgt Ion: 114 Resp: 445630

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

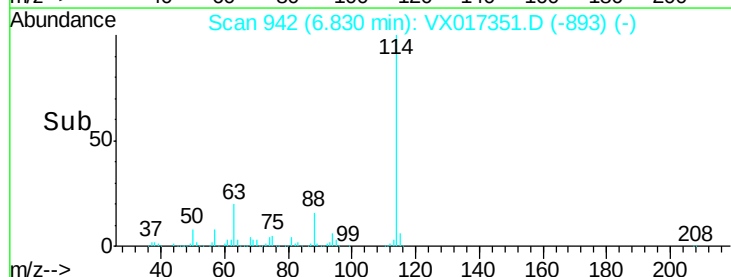
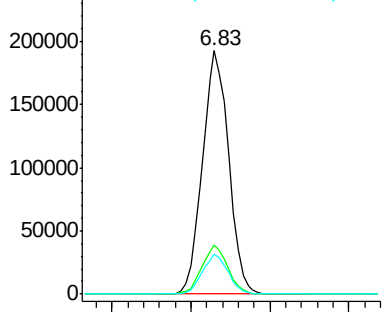
88 16.2 0.0 32.8

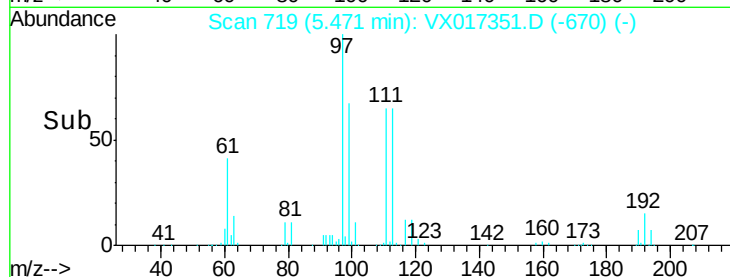
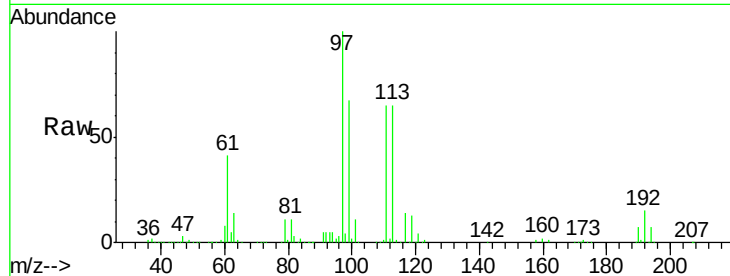
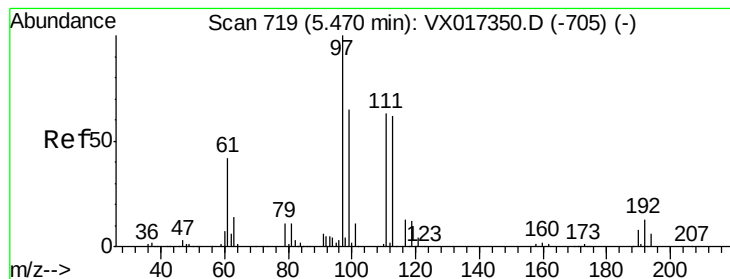


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 103.223 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017351.D

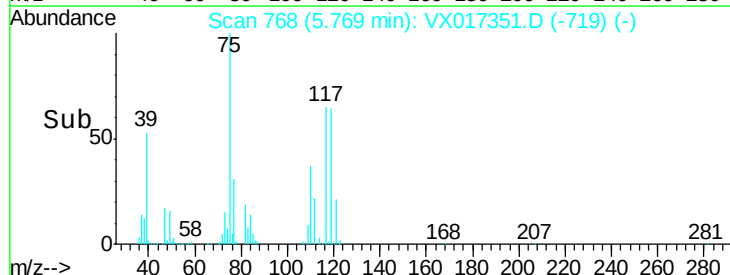
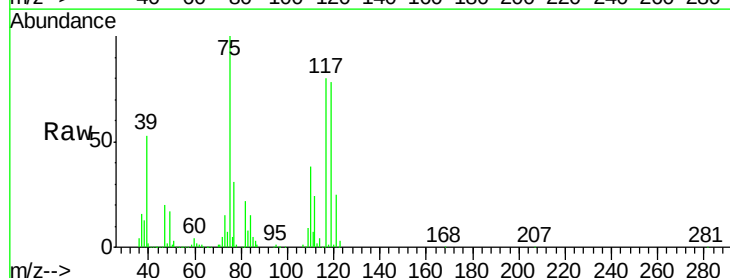
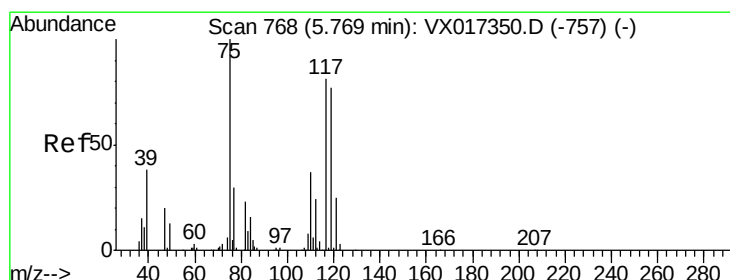
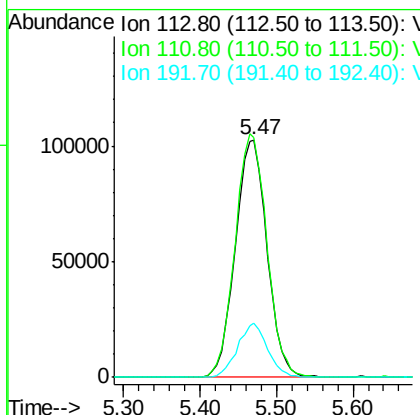
Acq: 13 Jul 2020 11:46

Tot Ion:	113	Resp:	295500
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.4	123.6
192	21.6	17.2	25.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#36

1,1-Dichloropropene

Concen: 97.277 ug/l

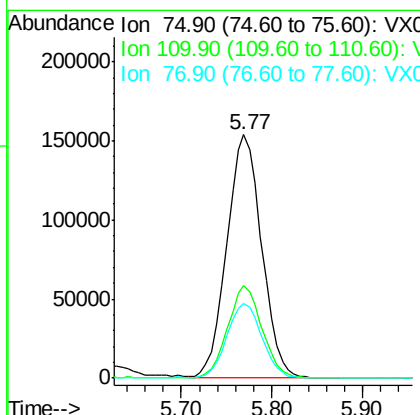
RT: 5.77 min Scan# 768

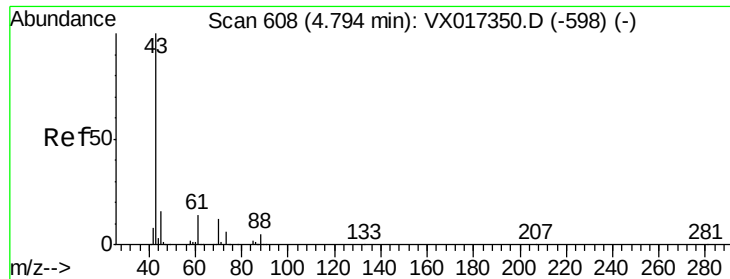
Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	75	Resp:	409866
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.6	55.8
77	31.0	24.9	37.3





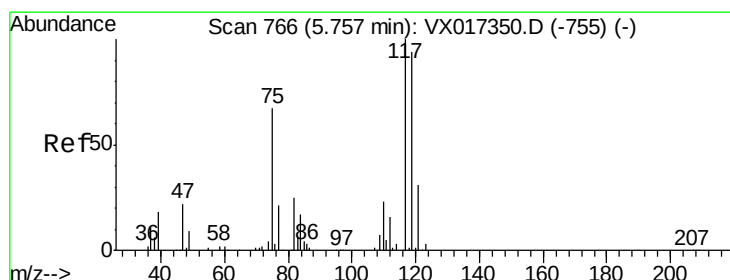
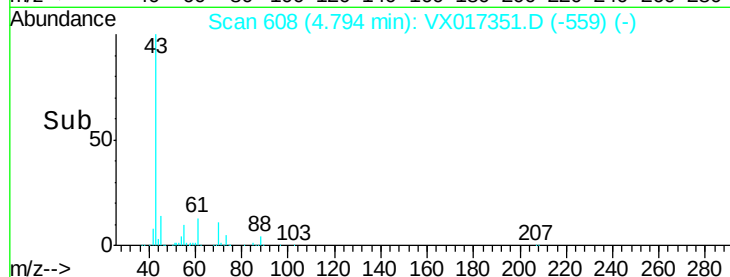
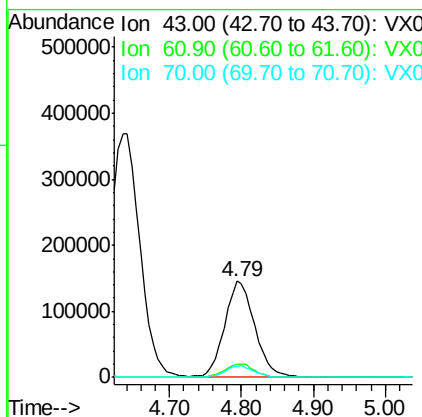
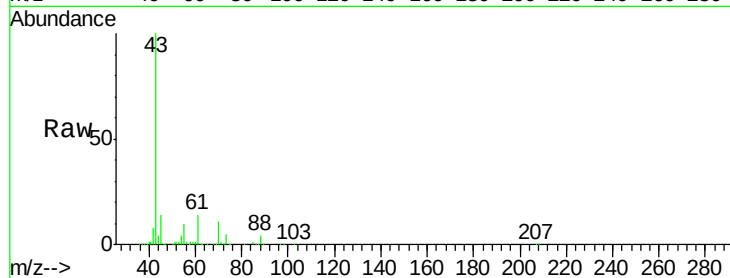
#37
Ethyl Acetate
Concen: 99.258 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	11.6	9.0	13.6

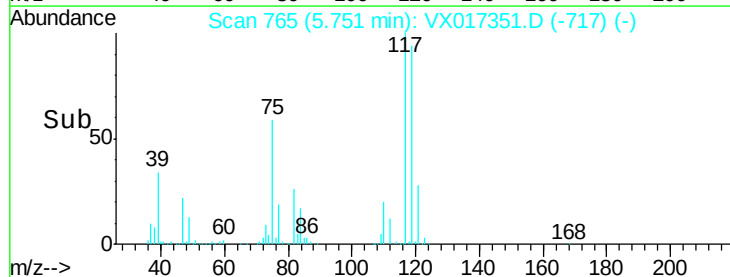
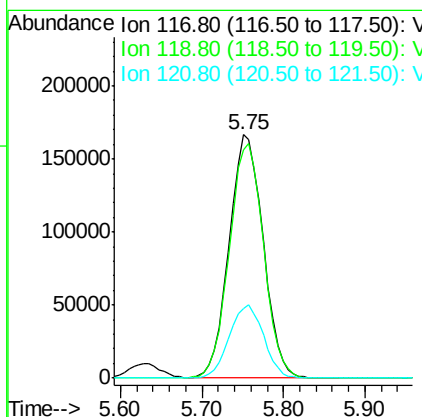
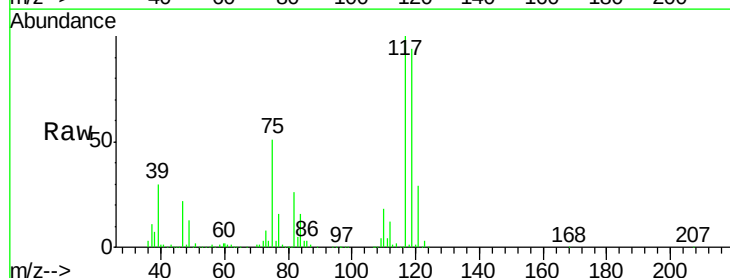
Manual Integrations
APPROVED

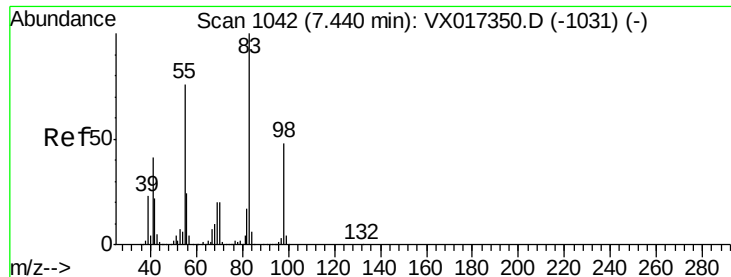
MMDadoda
7/14/2020 11:35:51 AM



#38
Carbon Tetrachloride
Concen: 102.505 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	74.7	112.1
121	28.5	24.5	36.7





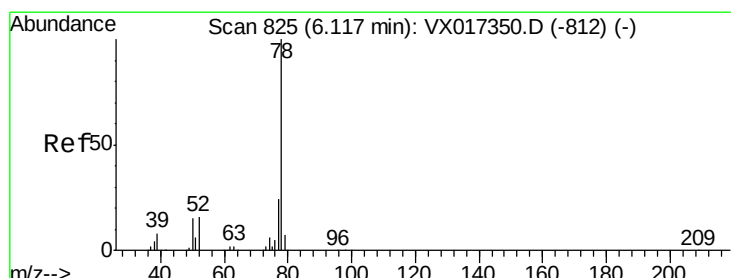
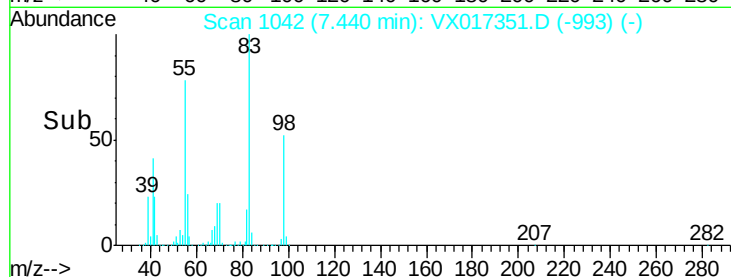
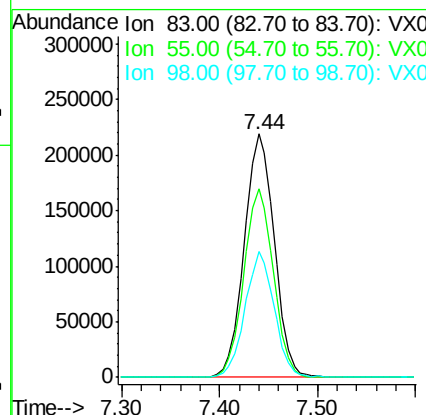
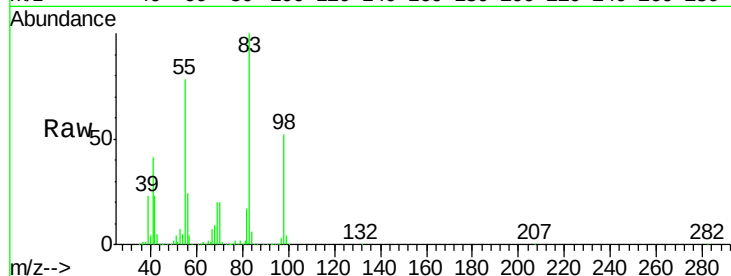
#39
Methylvlcyclohexane
Concen: 100.233 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.2	91.8
98	51.9	38.1	57.1

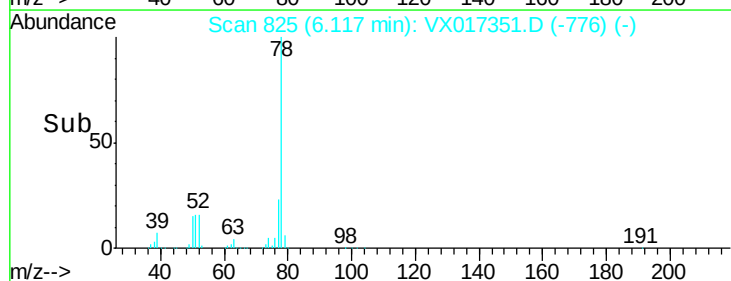
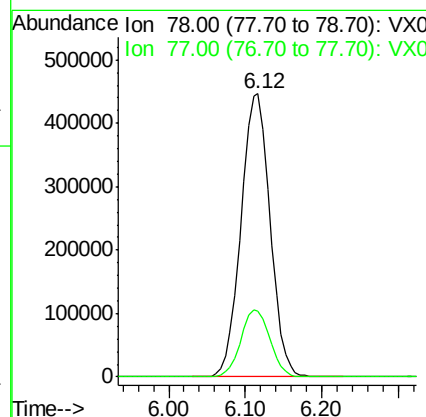
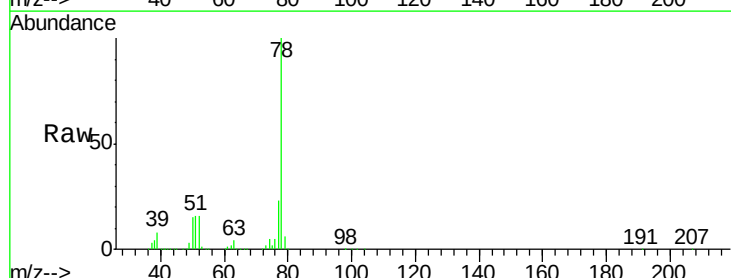
Manual Integrations
APPROVED

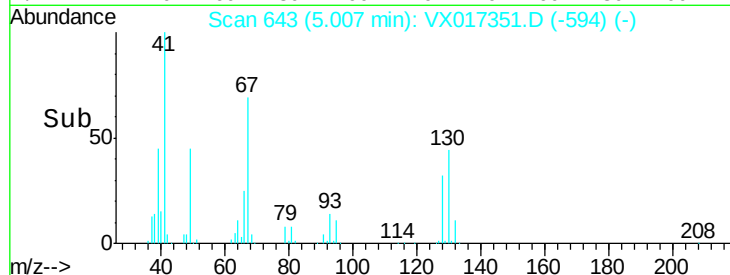
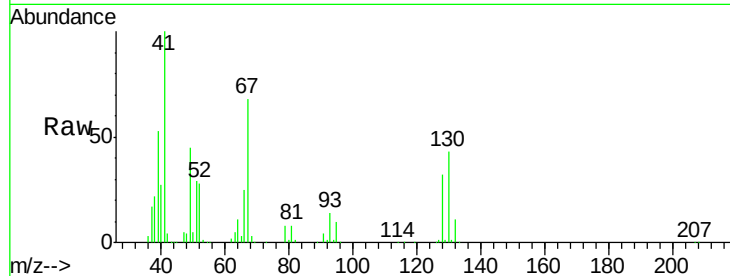
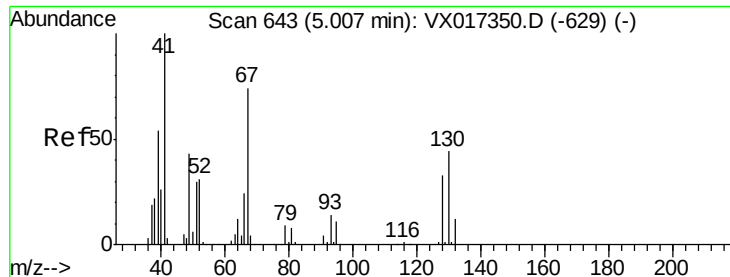
MMDadoda
7/14/2020 11:35:51 AM



#40
Benzene
Concen: 95.502 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





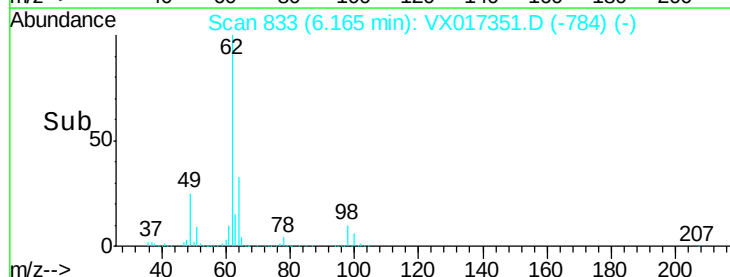
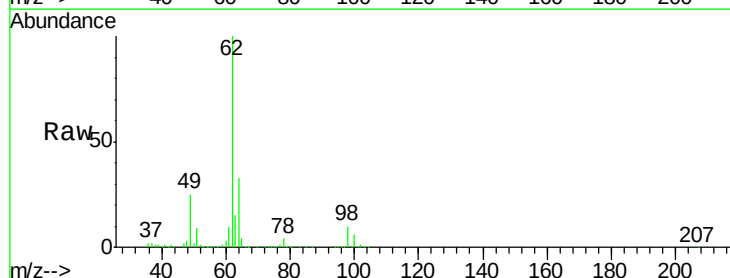
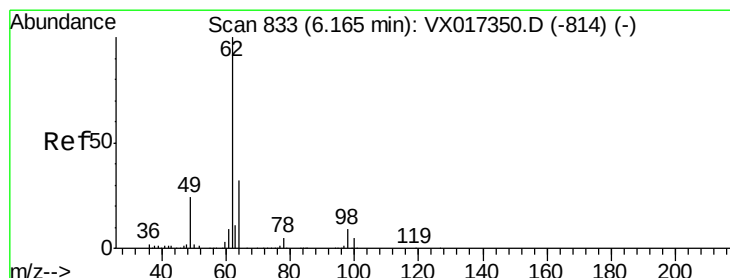
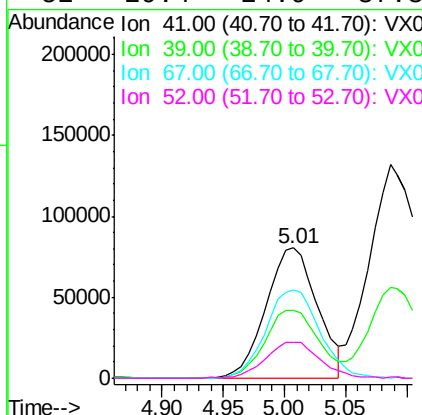
#41
Methacrylonitrile
Concen: 98.357 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		235352		
39	54.2	43.8	65.8		
67	71.6	58.7	88.1		
52	29.4	24.9	37.3		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

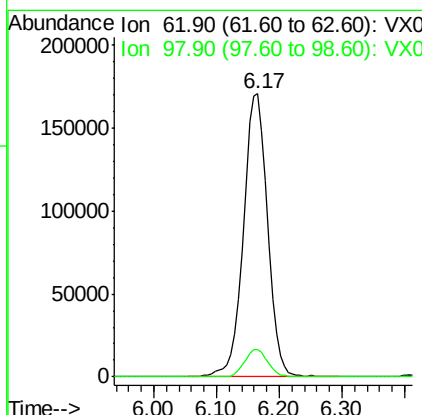
Manual Integrations
APPROVED

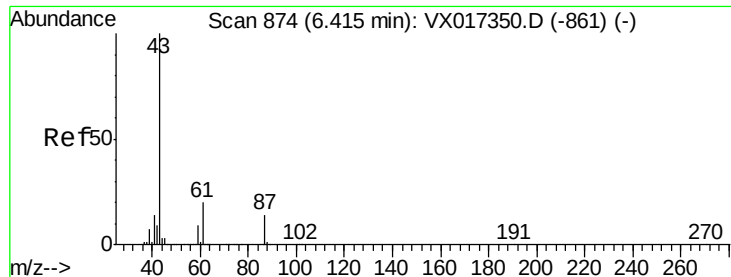
MMDadoda
7/14/2020 11:35:51 AM



#42
1,2-Dichloroethane
Concen: 100.591 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		453258		
98	9.4	0.0	19.4		





#43

Isopropyl Acetate

Concen: 99.649 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

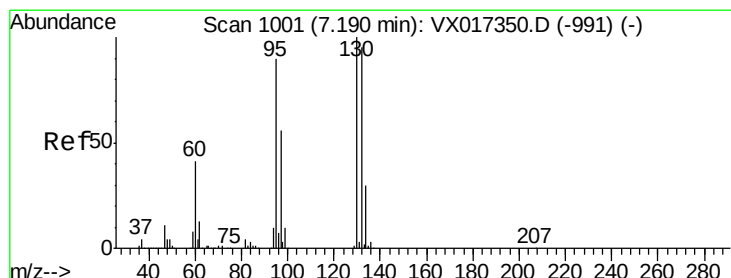
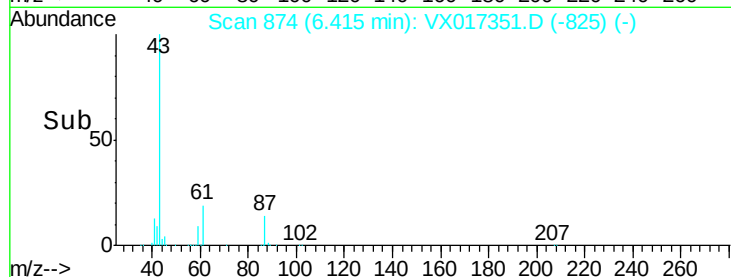
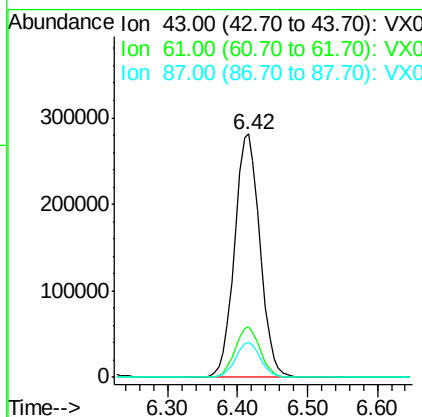
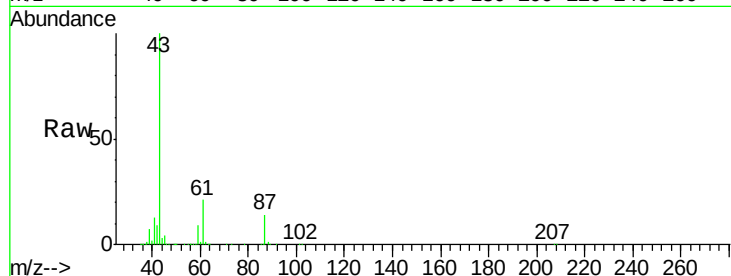
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	704869
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	14.2	11.2	16.8

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#44

Trichloroethene

Concen: 95.498 ug/l

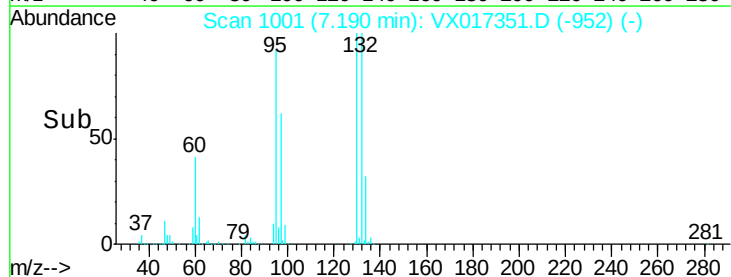
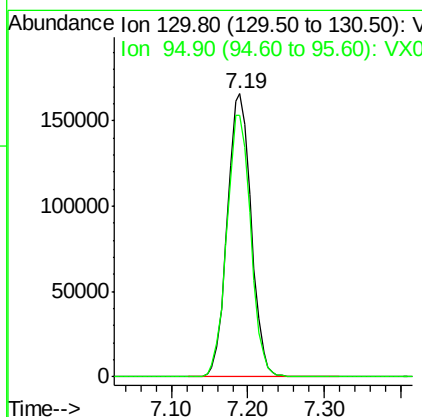
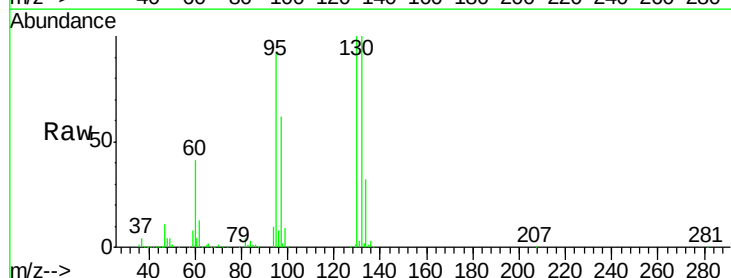
RT: 7.19 min Scan# 1001

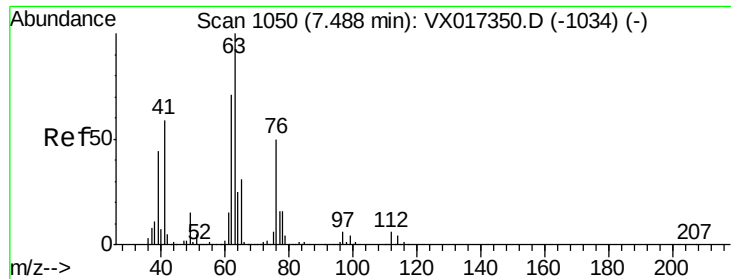
Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	130	Resp:	357552
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	180.2





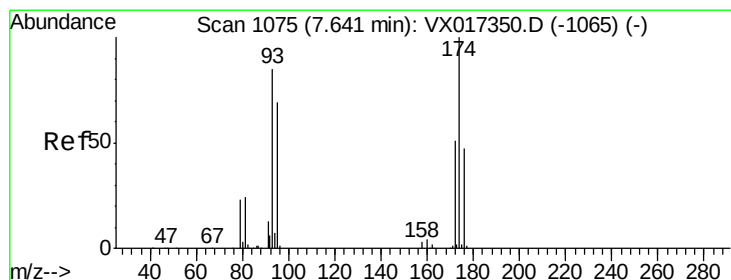
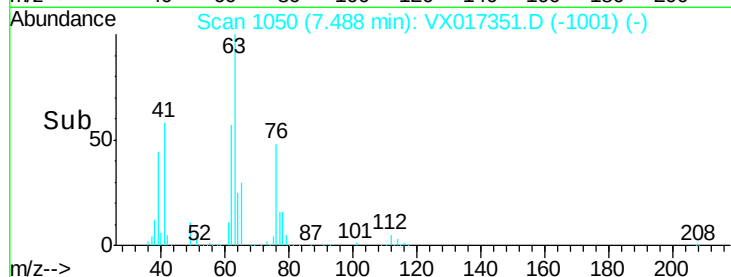
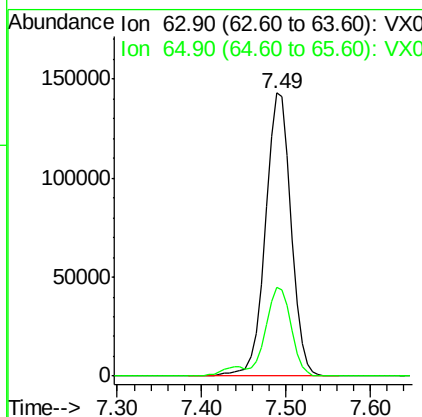
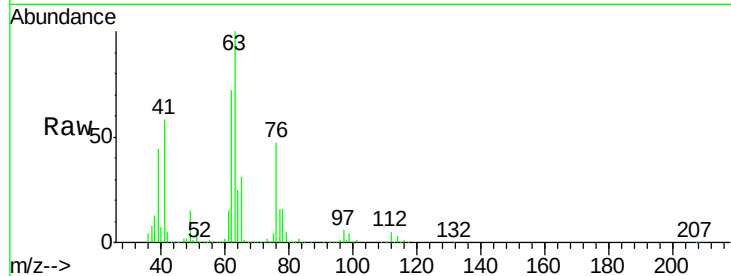
#45
 1,2-Dichloropropane
 Concen: 95.215 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.5	36.7

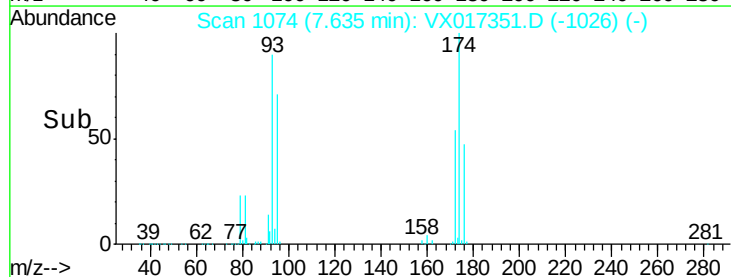
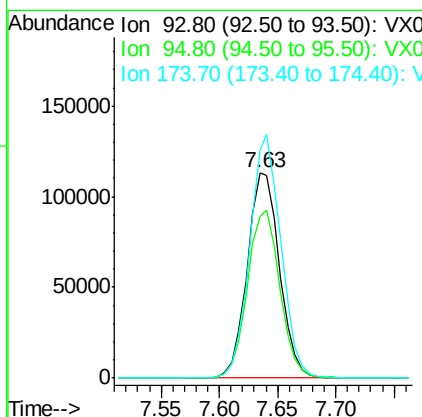
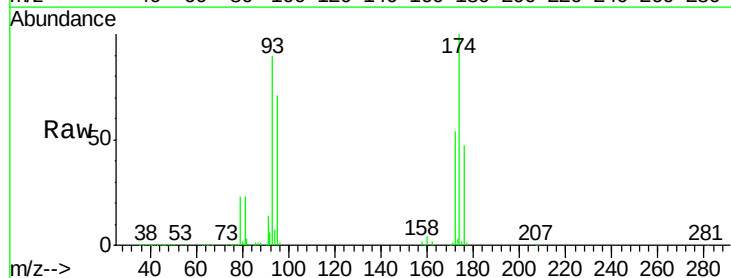
Manual Integrations
 APPROVED

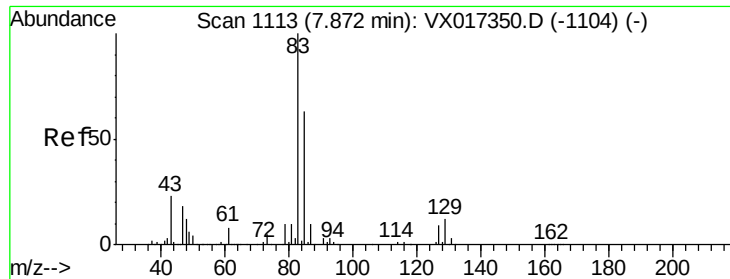
MMDadoda
 7/14/2020 11:35:51 AM



#46
 Dibromomethane
 Concen: 100.556 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.4	98.2
174	114.7	91.2	136.8





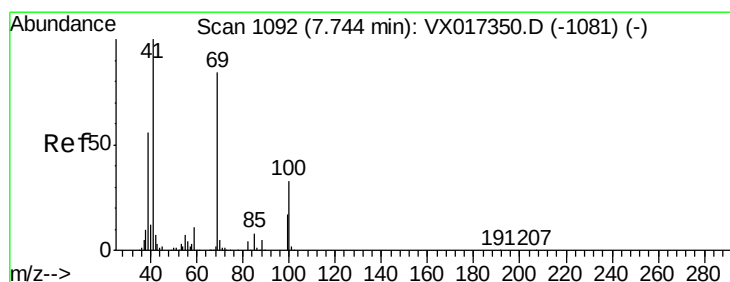
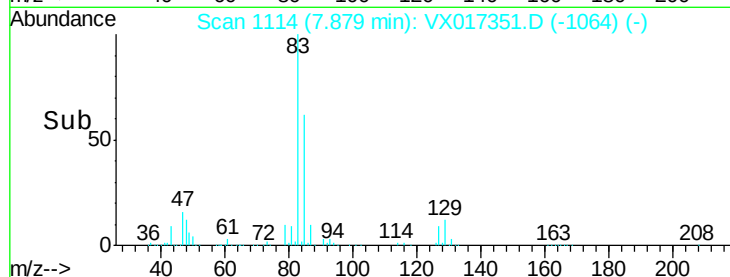
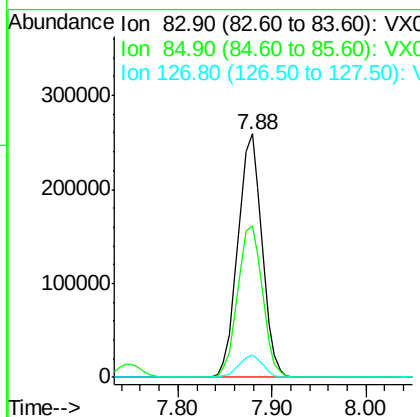
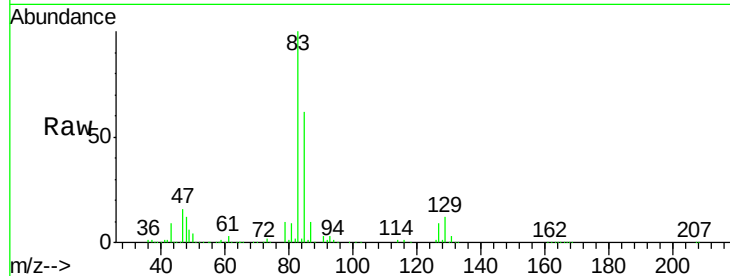
#47
Bromodichloromethane
Concen: 102.997 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	463184		
85	62.1	50.2	75.4	
127	9.2	7.1	10.7	

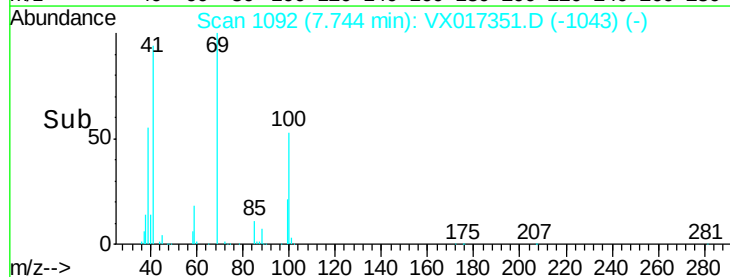
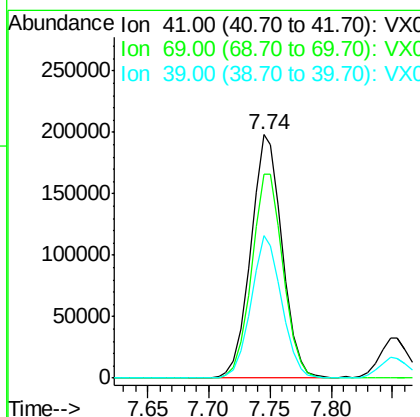
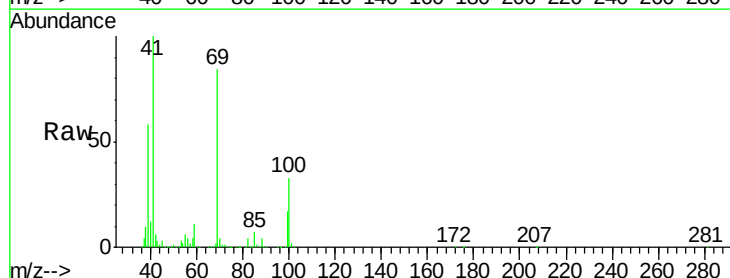
Manual Integrations
APPROVED

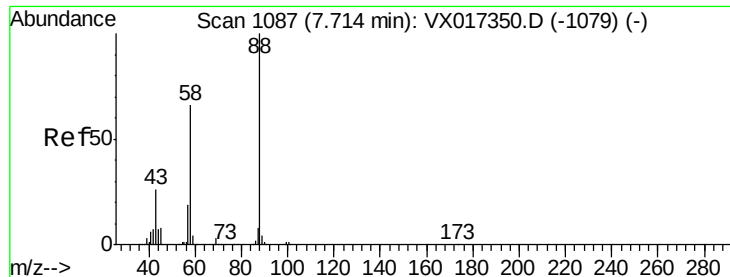
MMDadoda
7/14/2020 11:35:51 AM



#48
Methyl methacrylate
Concen: 104.759 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	351702		
69	84.9	67.8	101.6	
39	57.5	45.1	67.7	





#49

1,4-Dioxane

Concen: 1853.449 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

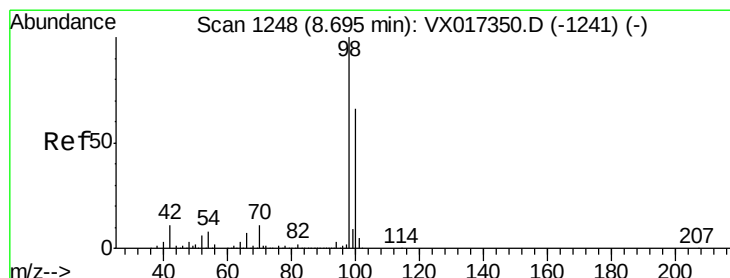
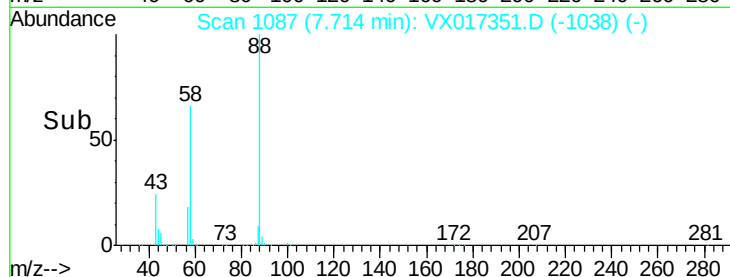
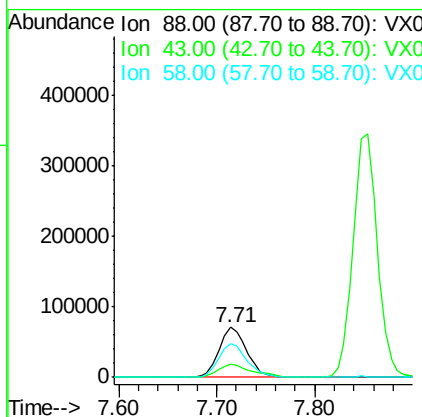
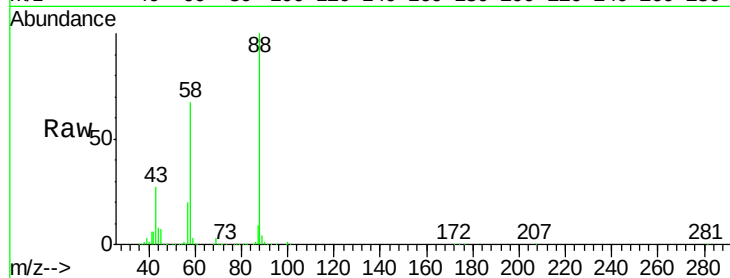
ClientSampleId :

VSTDICC100

Tot Ion:	88	Resp:	139686
Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.6	38.4
58	69.6	53.9	80.9

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#50

Toluene-d8

Concen: 102.903 ug/l

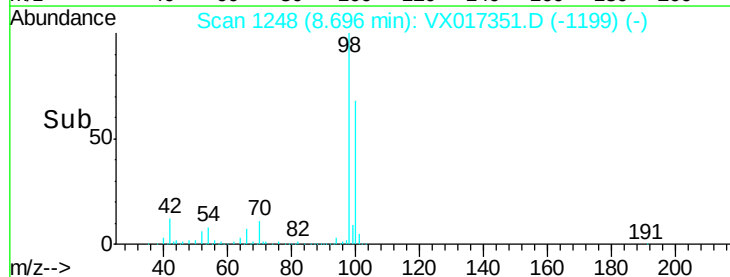
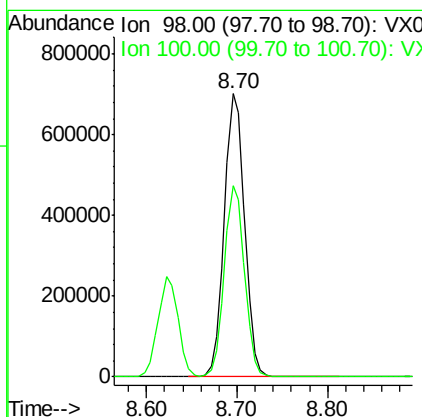
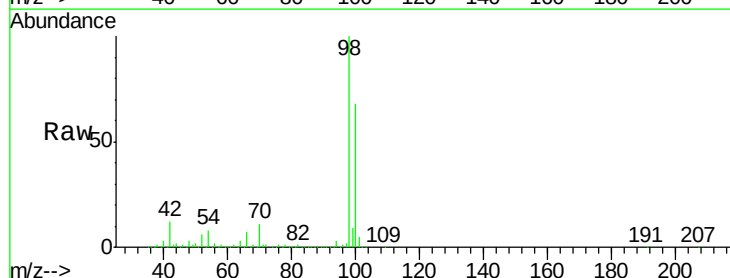
RT: 8.70 min Scan# 1248

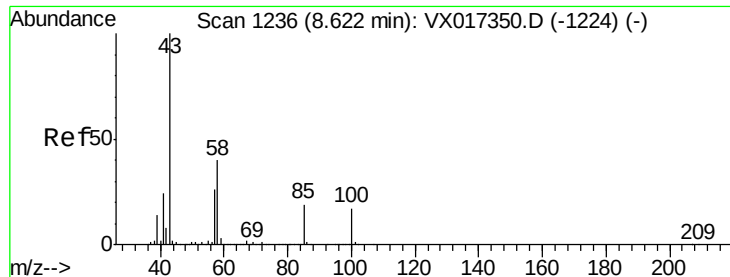
Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	98	Resp:	1091708
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.4	80.2





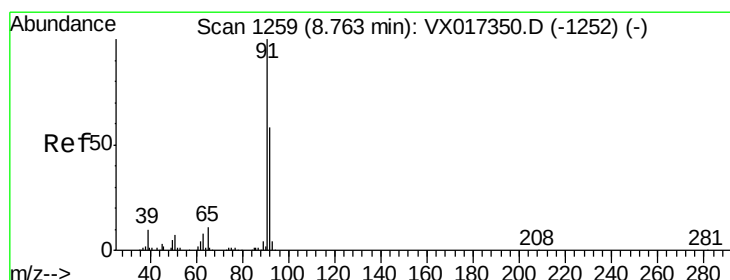
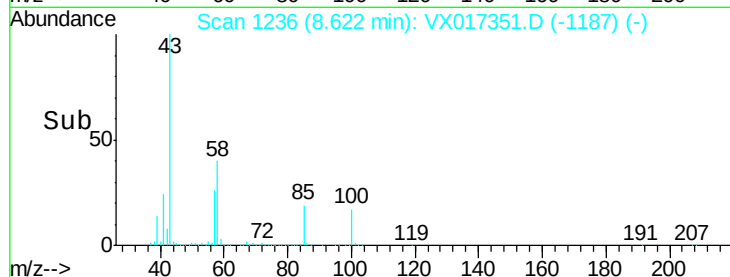
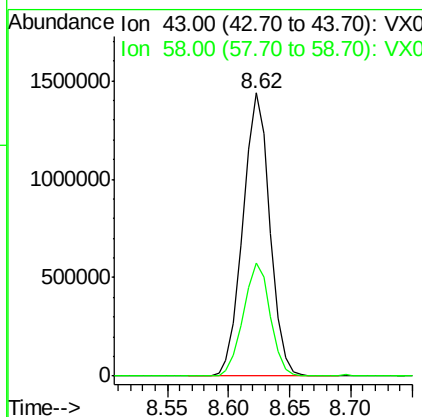
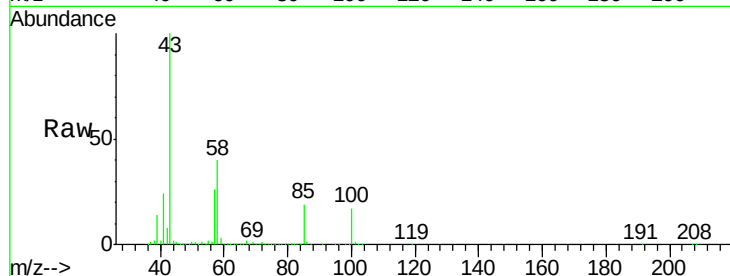
#51
 4-Methyl-2-Pentanone
 Concen: 521.464 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2203998
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.2 48.2

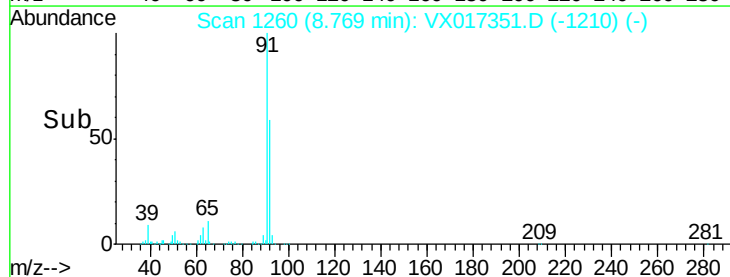
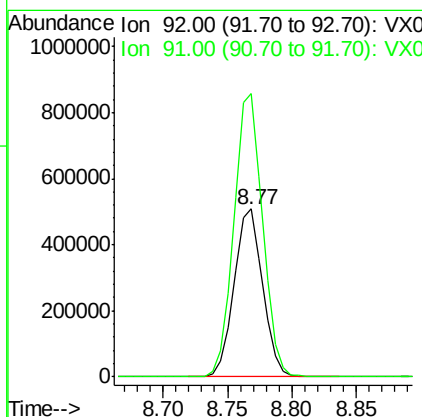
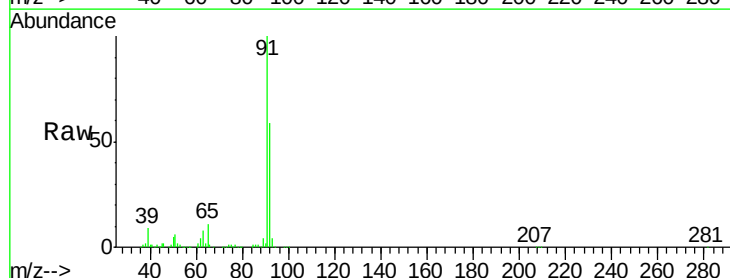
Manual Integrations
 APPROVED

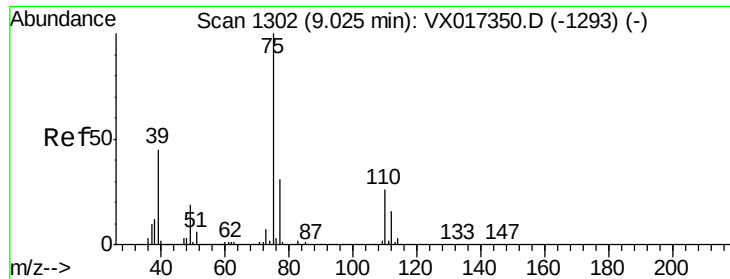
MMDadoda
 7/14/2020 11:35:51 AM



#52
 Toluene
 Concen: 100.995 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion: 92 Resp: 781875
 Ion Ratio Lower Upper
 92 100
 91 169.4 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 107.326 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tot Ion: 75 Resp: 532078

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

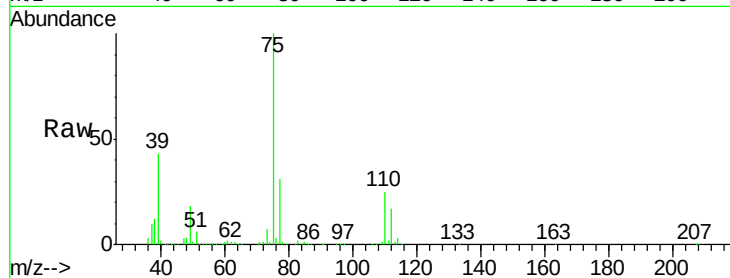
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

400000

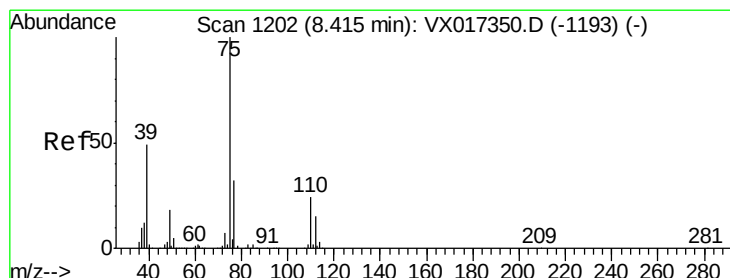
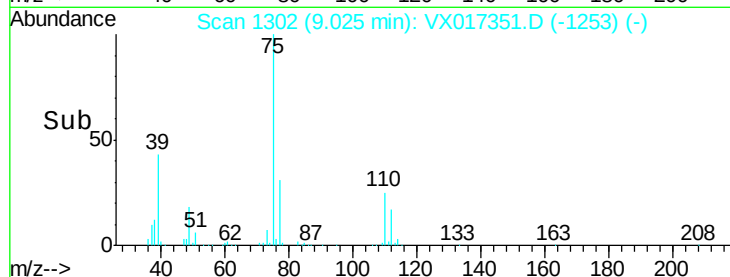
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 102.369 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

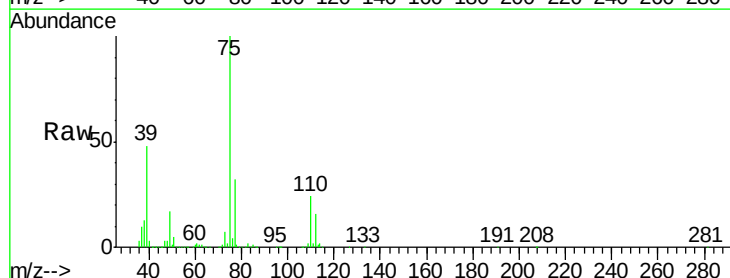
Tgt Ion: 75 Resp: 542948

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 47.7 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

400000

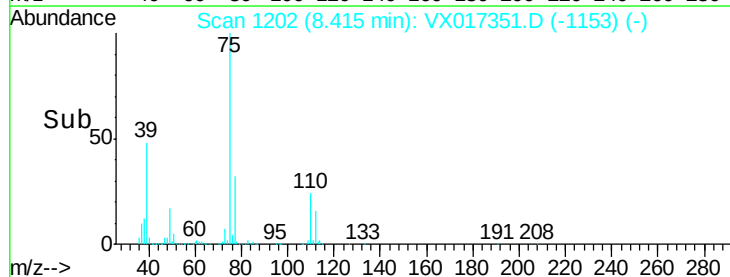
300000

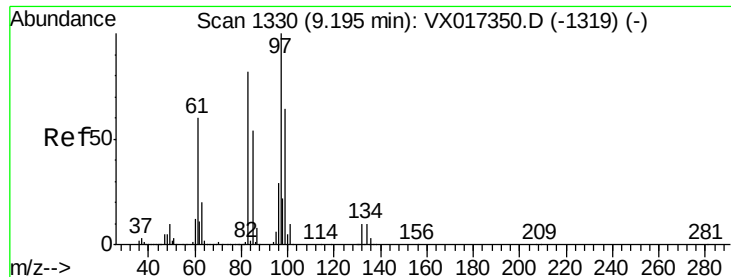
200000

100000

0

Time-->





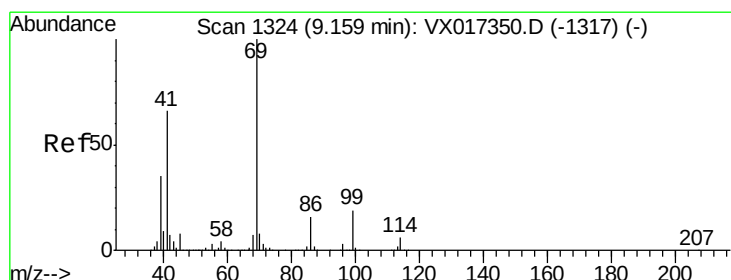
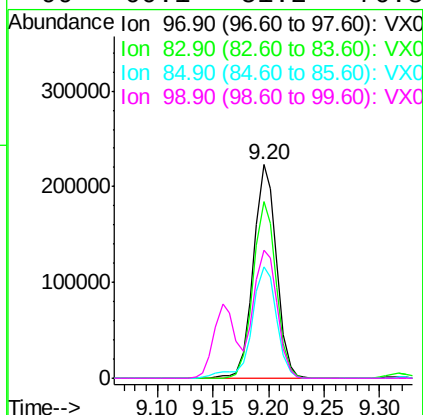
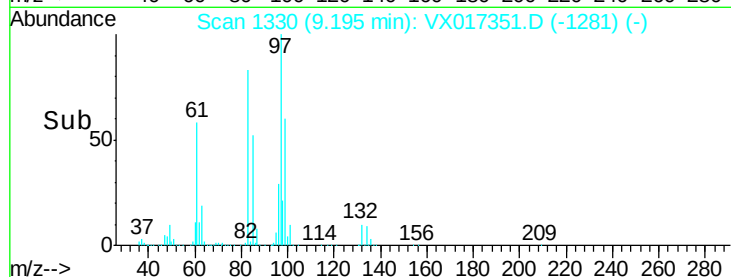
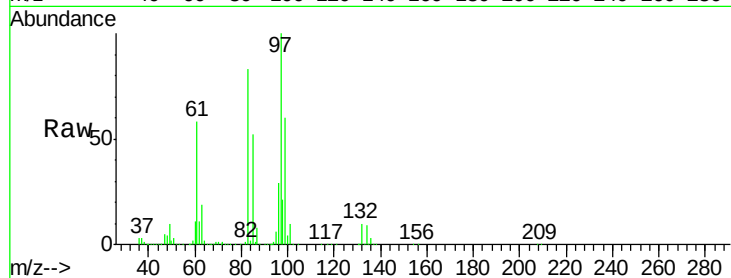
#55
 1,1,2-Trichloroethane
 Concen: 101.516 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.5	65.8	98.6
85	52.2	42.8	64.2
99	60.1	51.2	76.8

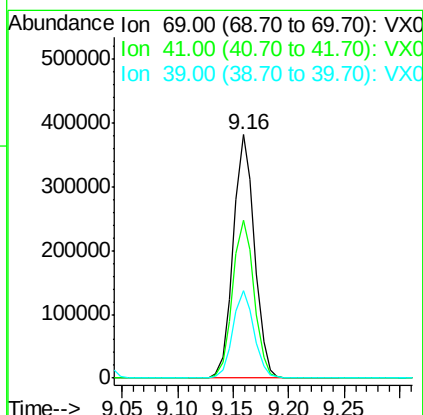
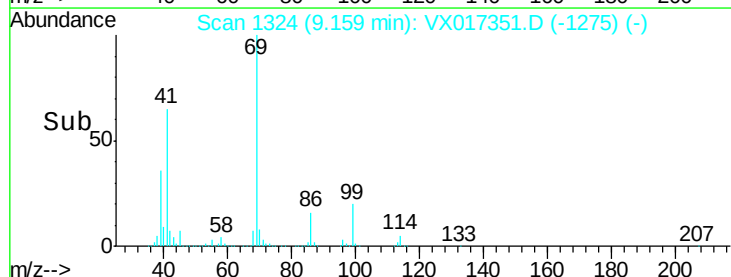
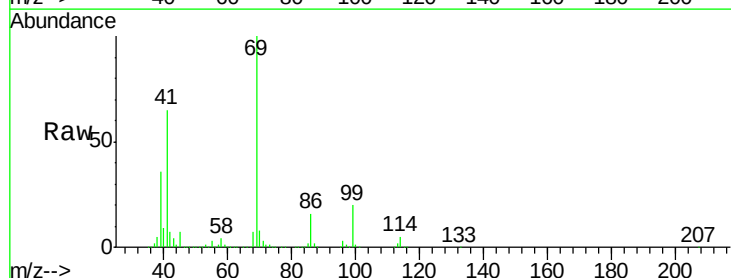
Manual Integrations
 APPROVED

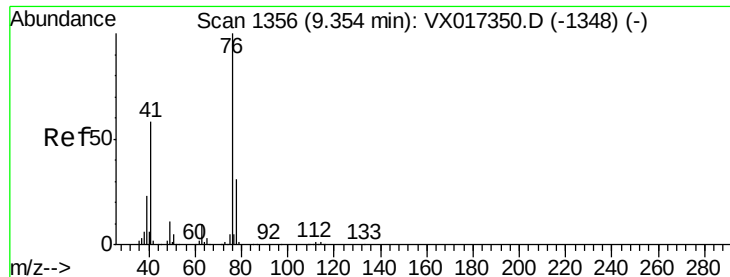
MMDadoda
 7/14/2020 11:35:51 AM



#56
 Ethyl methacrylate
 Concen: 111.744 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.6	78.8
39	35.8	28.8	43.2





#57

1,3-Dichloropropane

Concen: 100.307 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 537429

Ion Ratio Lower Upper

76 100

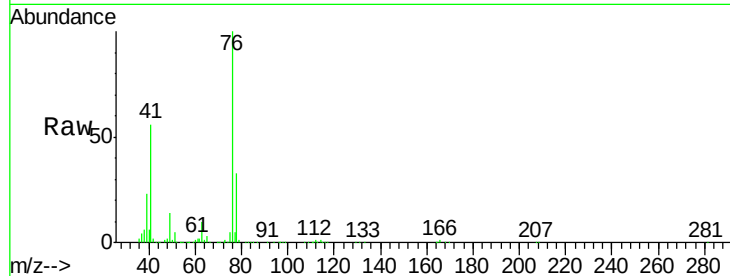
78 32.3 25.8 38.6

Manual Integrations

APPROVED

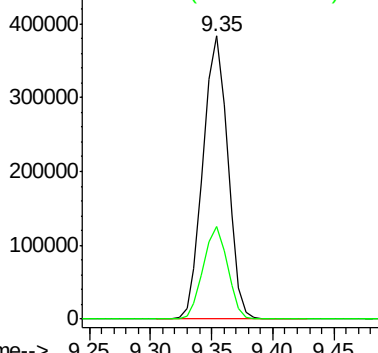
MMDadoda

7/14/2020 11:35:51 AM

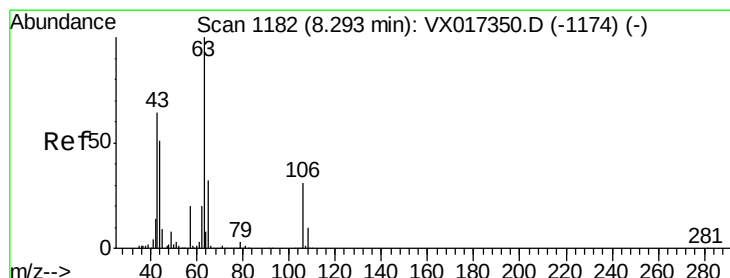
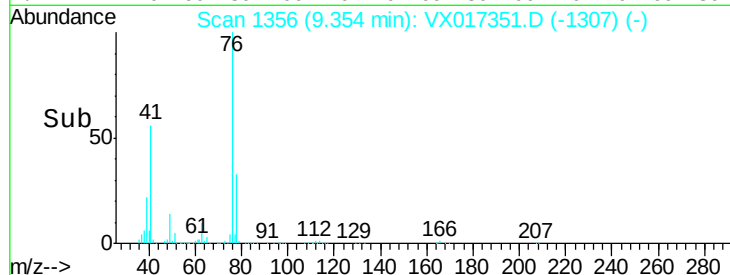


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 557.915 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017351.D

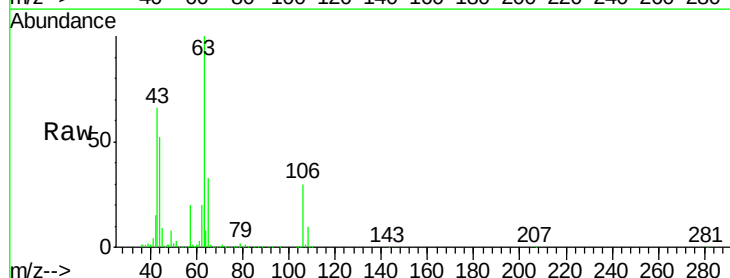
Acq: 13 Jul 2020 11:46

Tgt Ion: 63 Resp: 1256136

Ion Ratio Lower Upper

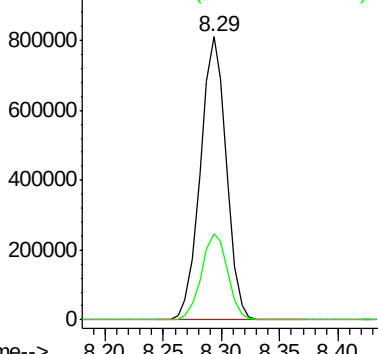
63 100

106 30.9 24.8 37.2

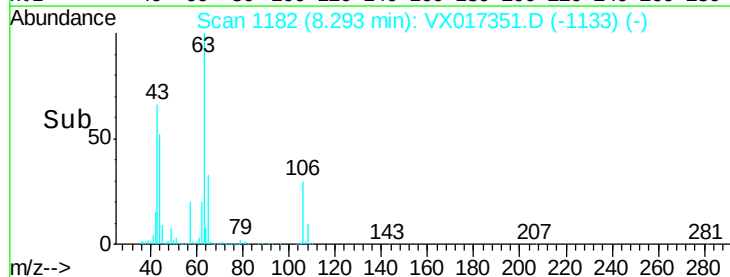


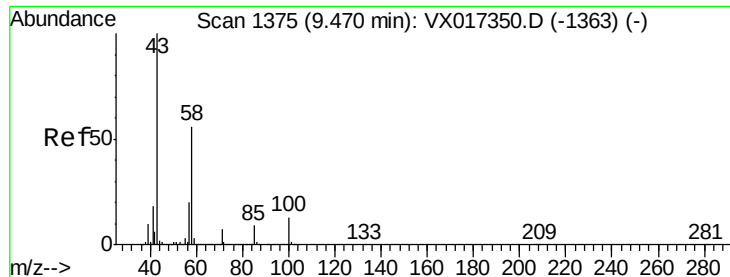
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time--> 8.20 8.25 8.30 8.35 8.40





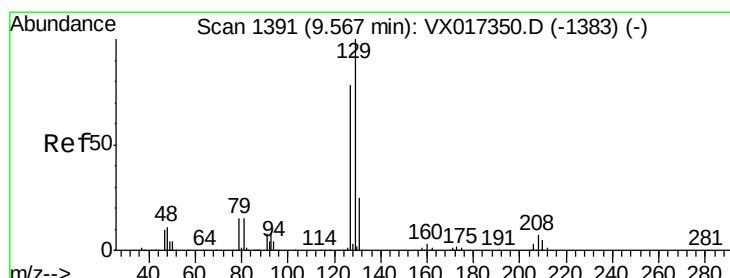
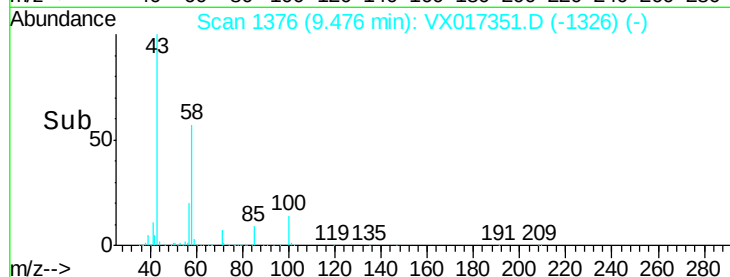
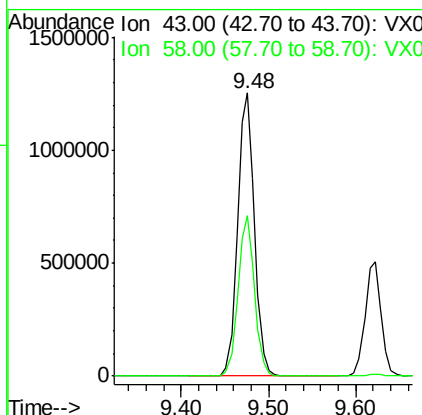
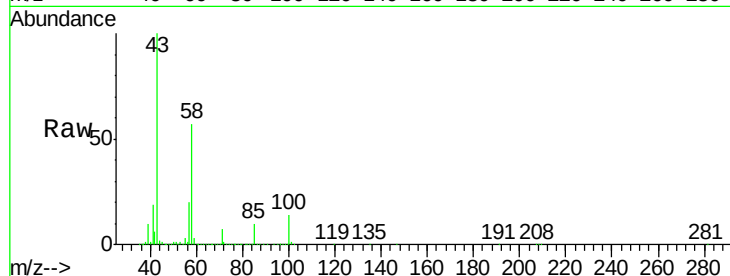
#59
2-Hexanone
Concen: 541.137 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1679711
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.3

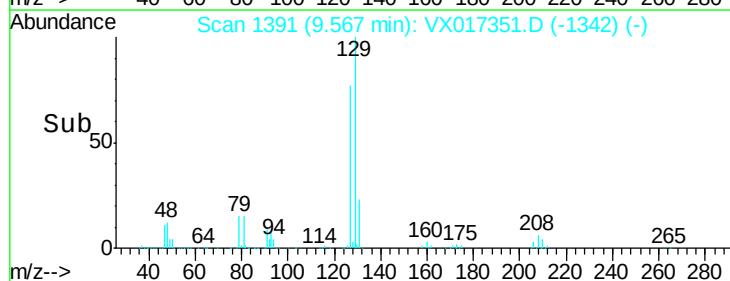
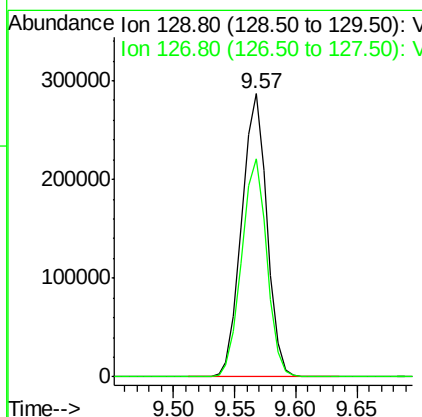
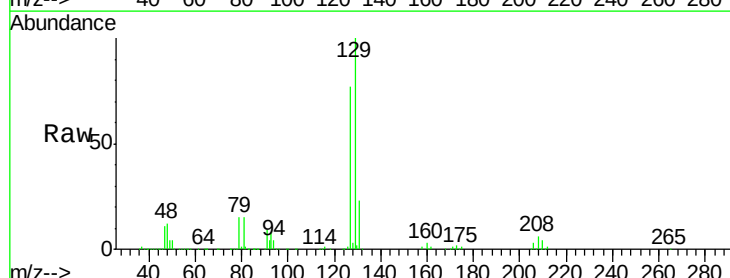
Manual Integrations
APPROVED

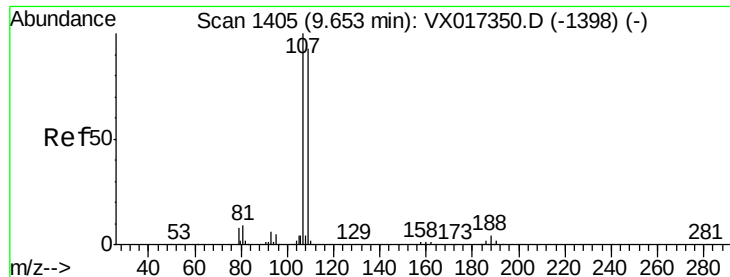
MMDadoda
7/14/2020 11:35:51 AM



#60
Dibromochloromethane
Concen: 110.344 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion: 129 Resp: 410502
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 104.663 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 358011

Ion Ratio Lower Upper

107 100

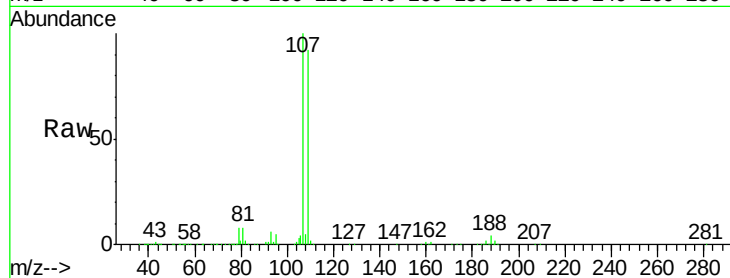
109 94.2 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

250000

200000

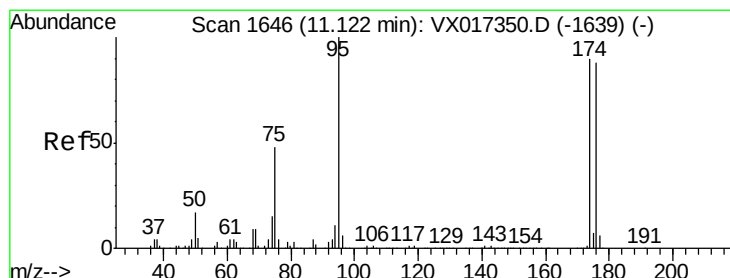
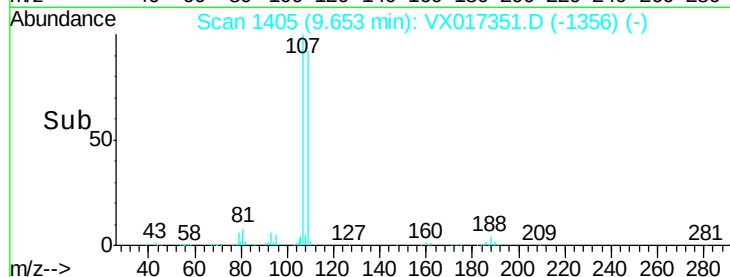
150000

100000

50000

0

Time--> 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 108.734 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

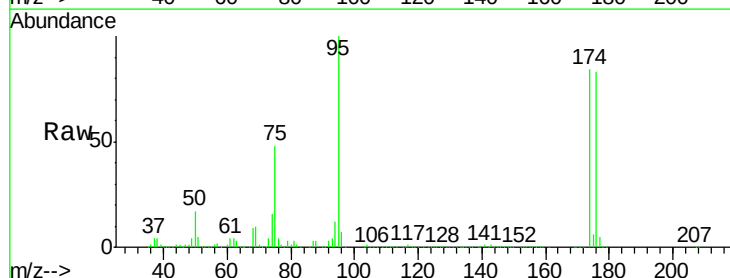
Tgt Ion: 95 Resp: 452176

Ion Ratio Lower Upper

95 100

174 86.1 0.0 175.8

176 83.9 0.0 164.6



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

11.12

400000

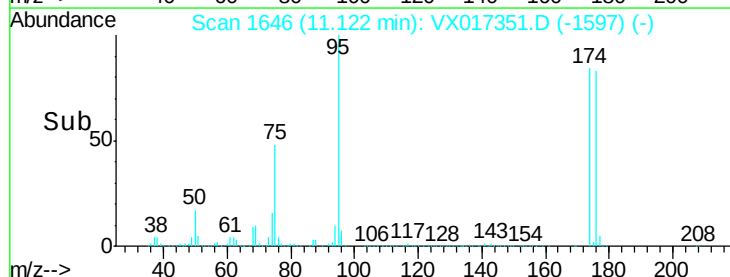
300000

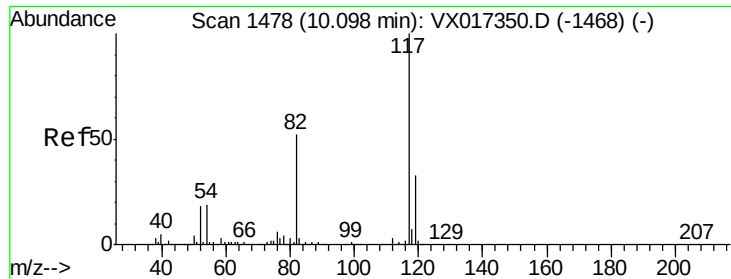
200000

100000

0

Time--> 11.00 11.10 11.20





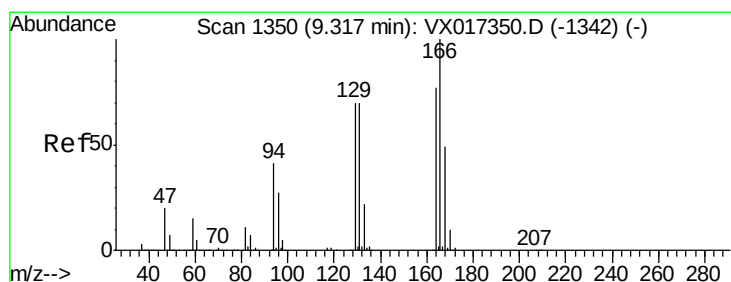
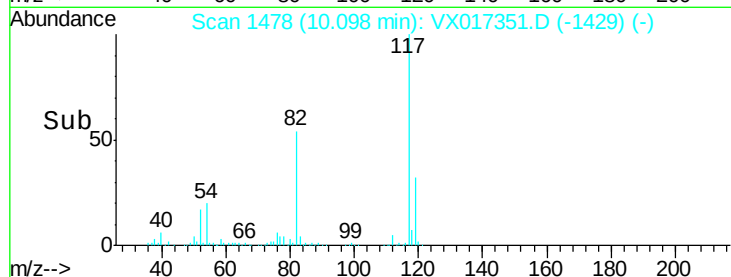
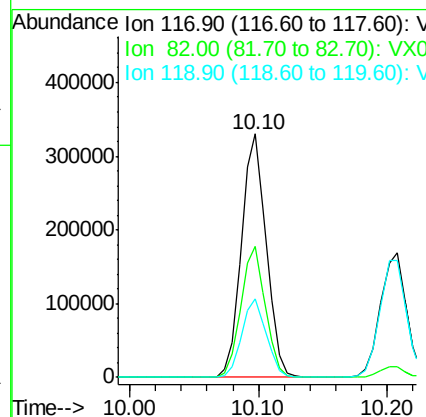
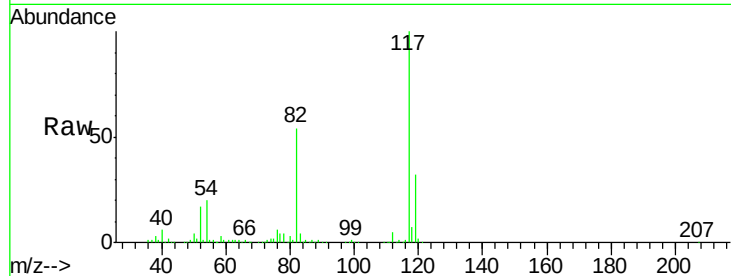
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	440348		
82	53.6	42.0	63.0	
119	32.0	26.3	39.5	

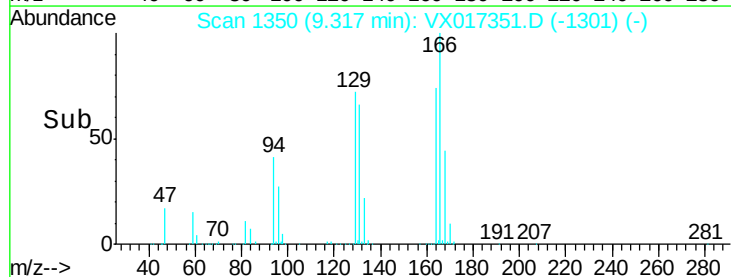
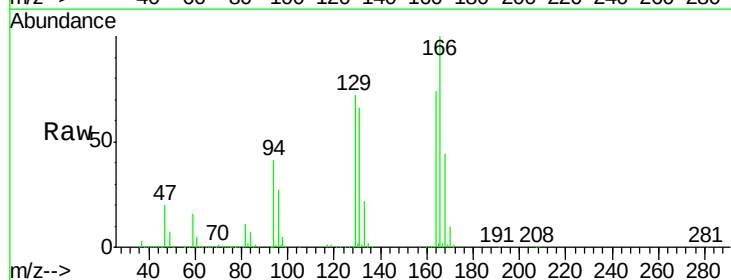
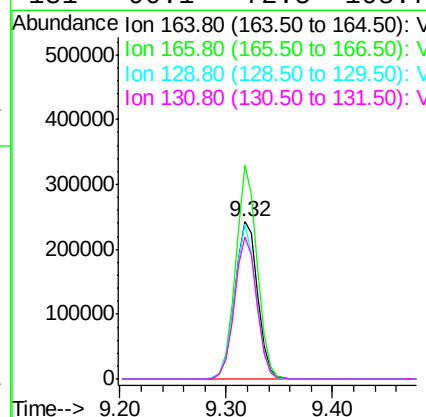
Manual Integrations
APPROVED

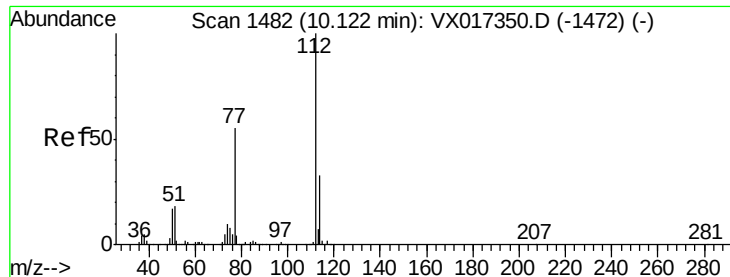
MMDadoda
7/14/2020 11:35:51 AM



#64
Tetrachloroethene
Concen: 100.493 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	362242		
166	135.9	103.9	155.9	
129	98.2	72.9	109.3	
131	90.1	72.5	108.7	





#65

Chlorobenzene

Concen: 97.363 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 885398

Ion Ratio Lower Upper

112 100

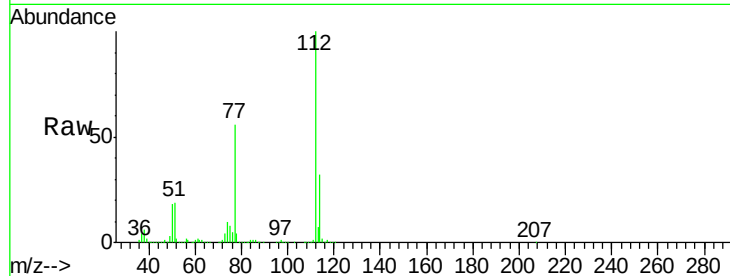
114 32.3 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

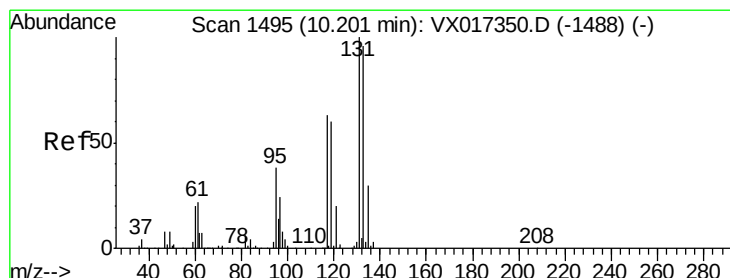
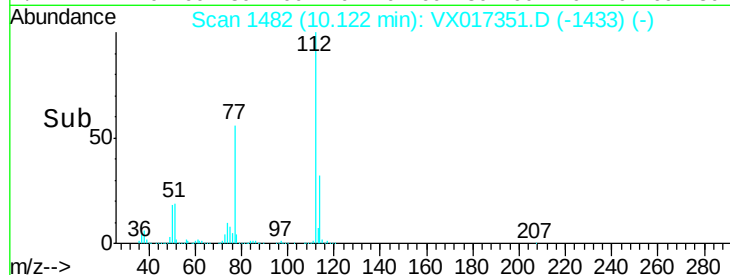
400000

200000

0

10.00 10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 101.527 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

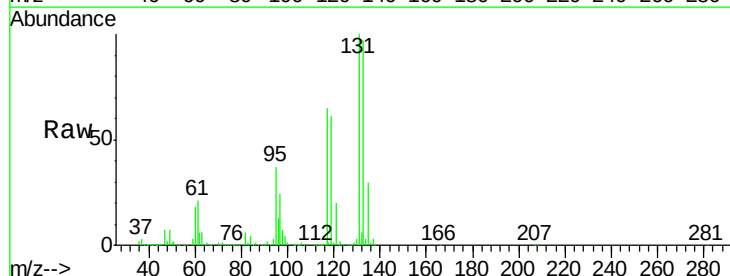
Tgt Ion:131 Resp: 358285

Ion Ratio Lower Upper

131 100

133 97.2 48.4 145.2

119 63.0 31.2 93.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300000

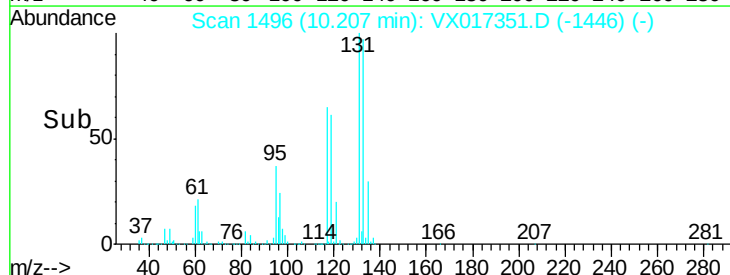
200000

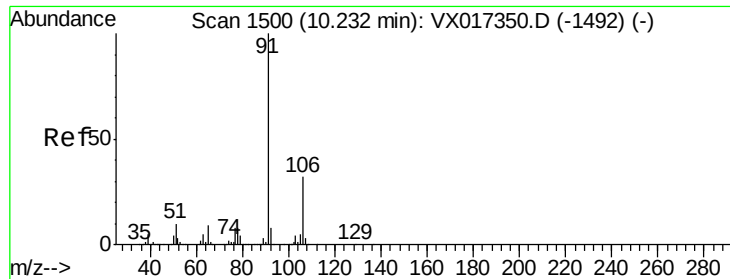
100000

0

10.10 10.20 10.30

Time-->





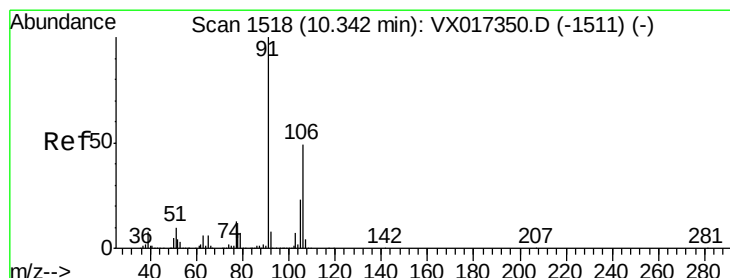
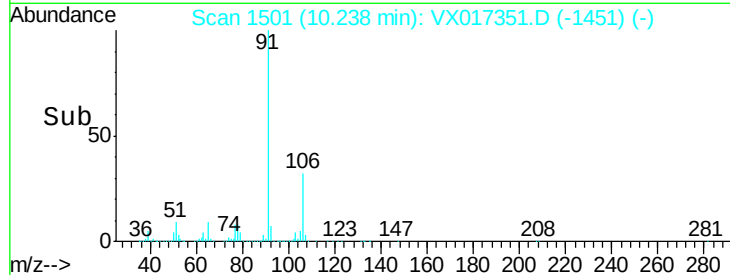
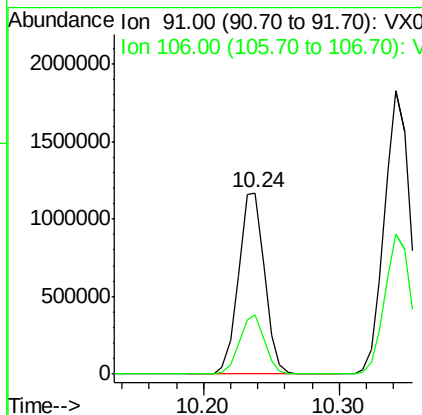
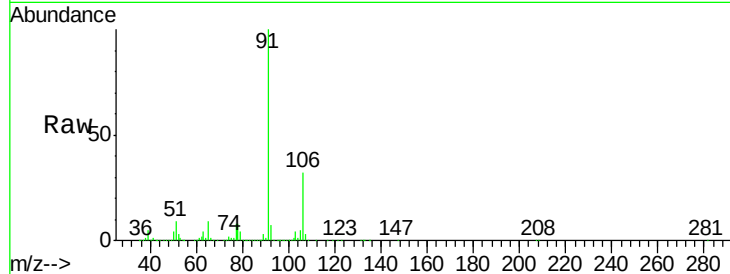
#67
Ethyl Benzene
Concen: 102.542 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1554773
Ion Ratio Lower Upper
91 100
106 32.4 25.7 38.5

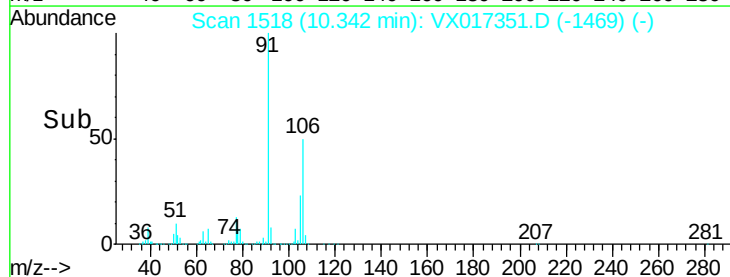
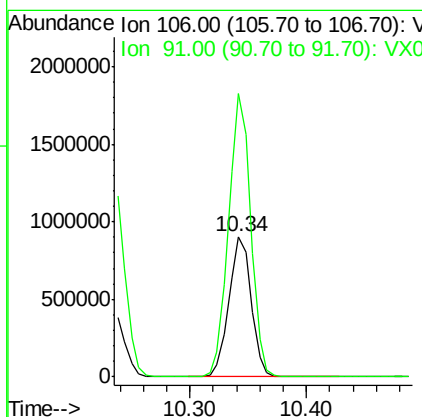
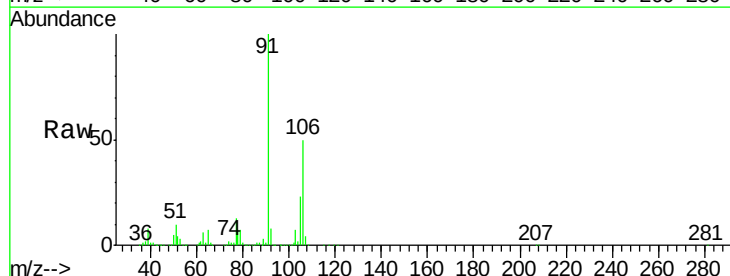
Manual Integrations
APPROVED

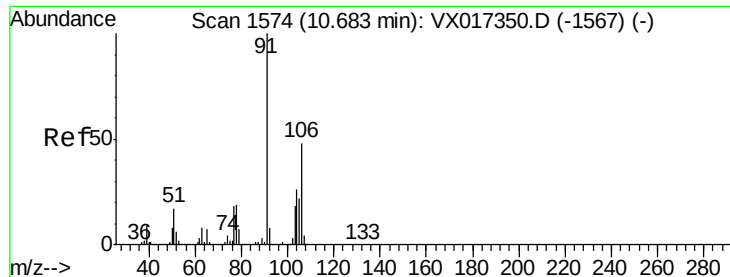
MMDadoda
7/14/2020 11:35:51 AM



#68
m/p-Xylenes
Concen: 206.664 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion: 106 Resp: 1202949
Ion Ratio Lower Upper
106 100
91 200.4 162.5 243.7





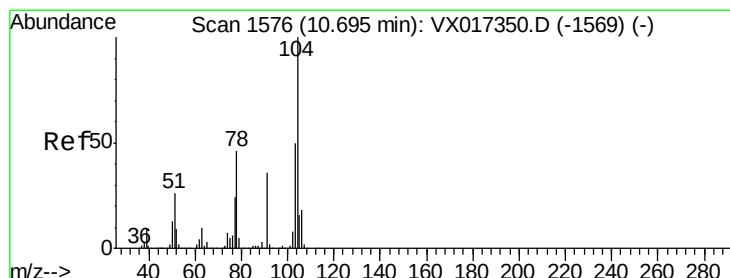
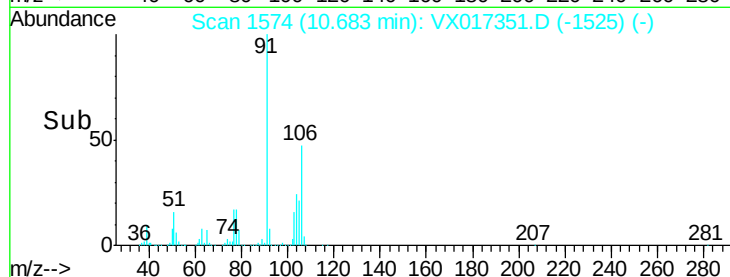
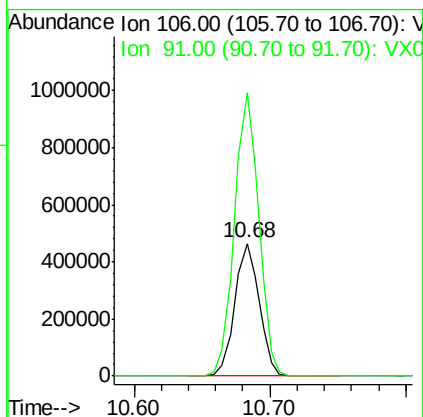
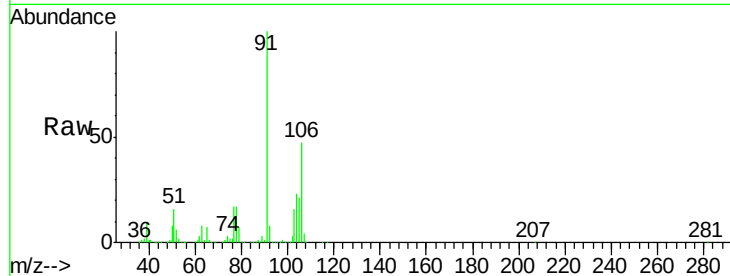
#69
o-Xylene
Concen: 104.503 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	106.1	318.1

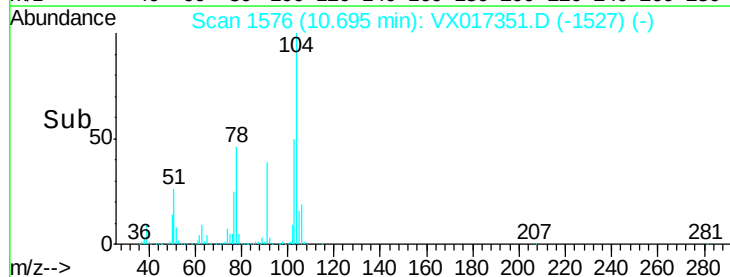
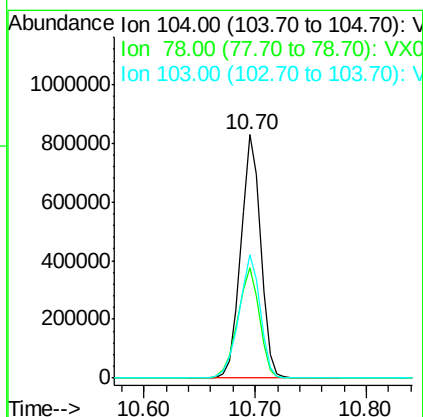
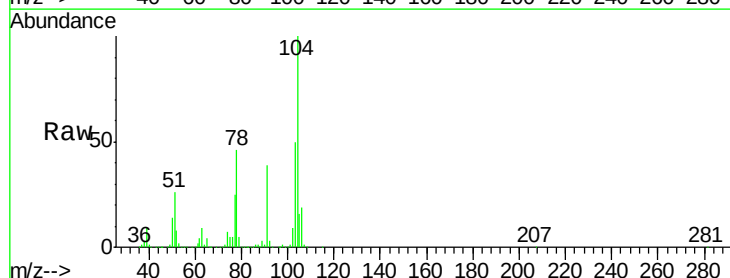
Manual Integrations
APPROVED

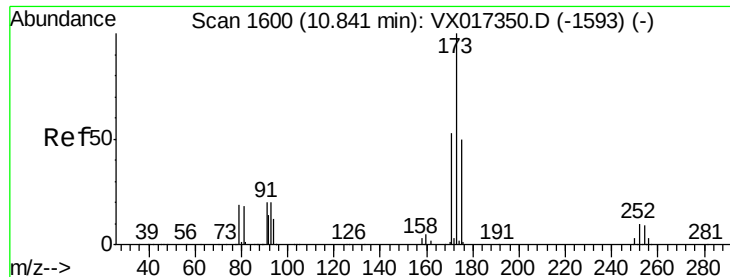
MMDadoda
7/14/2020 11:35:51 AM



#70
Styrene
Concen: 108.369 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.8	61.2
103	54.2	43.3	64.9





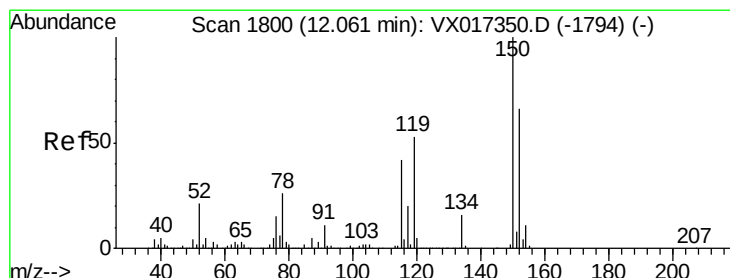
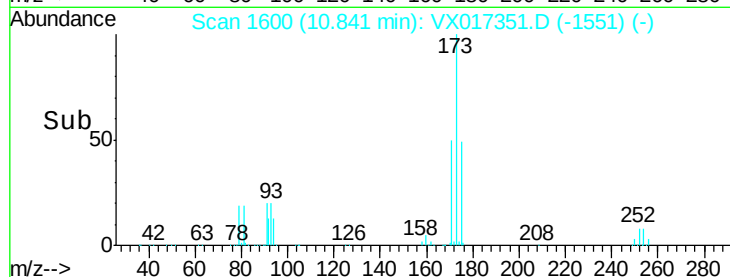
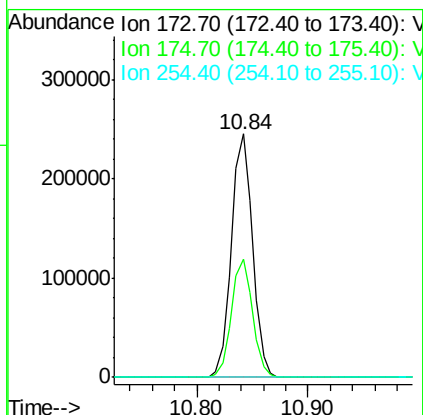
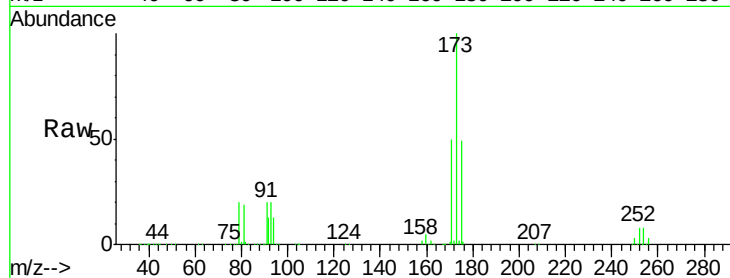
#71
Bromoform
Concen: 114.213 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.1	0.1#

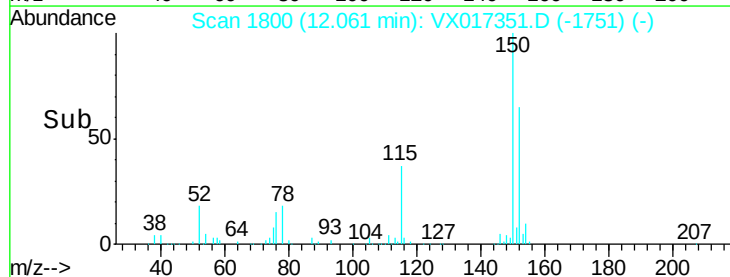
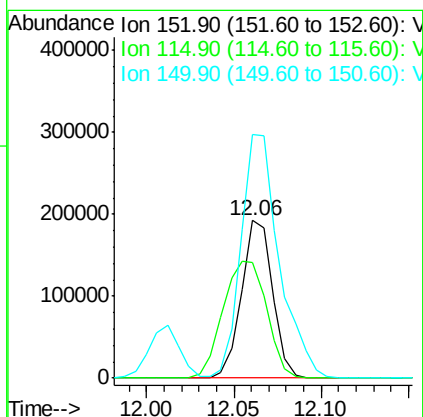
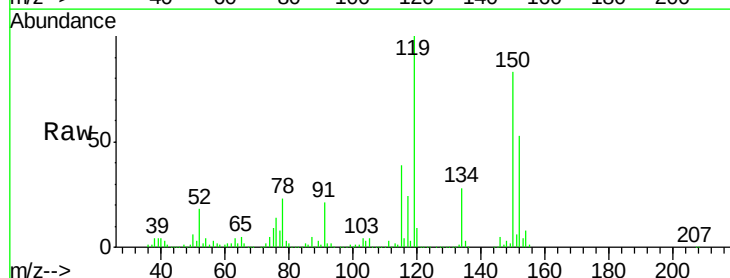
Manual Integrations
APPROVED

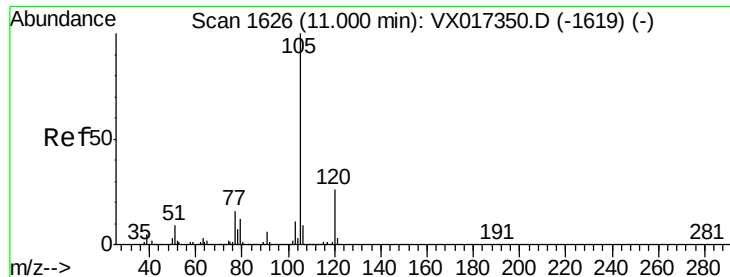
MMDadoda
7/14/2020 11:35:51 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	103.5	39.9	119.7
150	189.9	0.0	343.4





#73

Isopropylbenzene

Concen: 100.963 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1567949

Ion Ratio Lower Upper

105 100

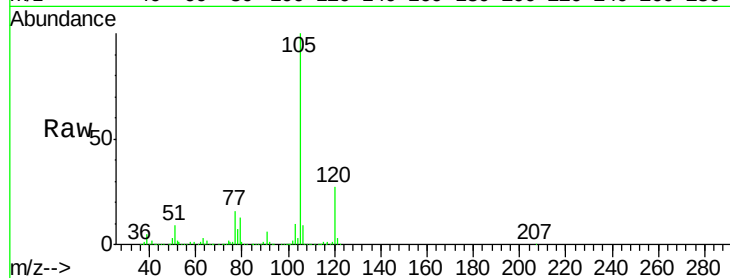
120 27.1 13.3 39.8

Manual Integrations

APPROVED

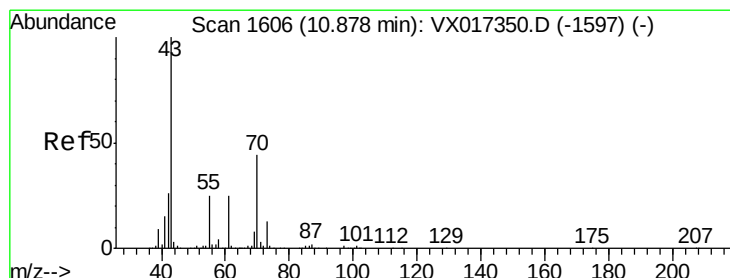
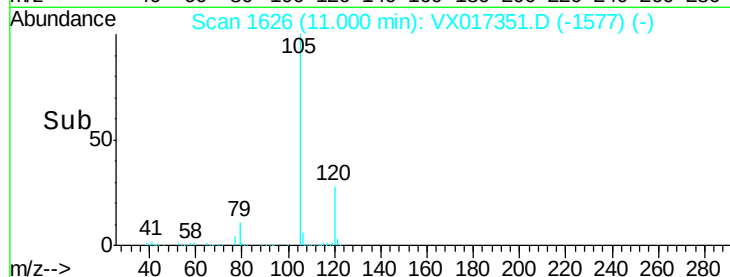
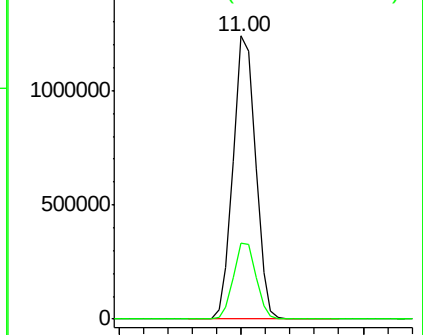
MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 101.768 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion: 43 Resp: 666301

Ion Ratio Lower Upper

43 100

70 44.3 35.7 53.5

55 24.3 20.3 30.5

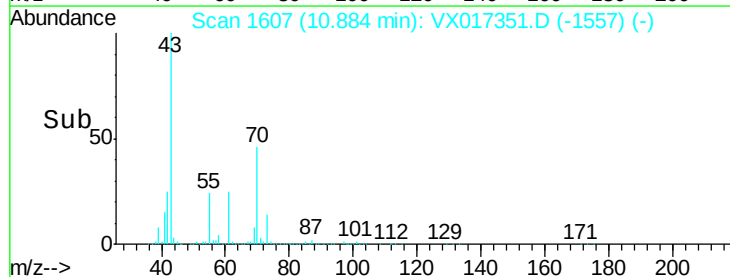
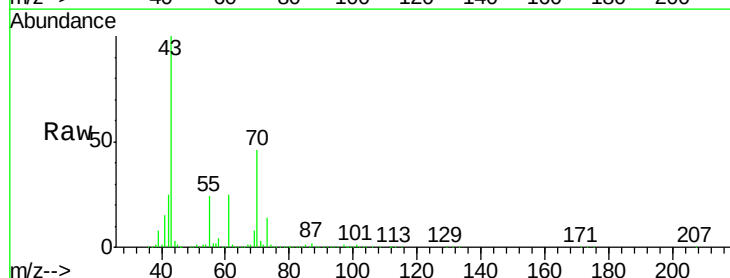
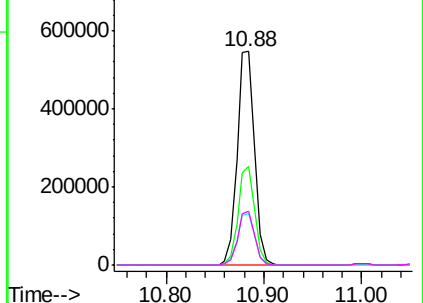
61 24.4 20.0 30.0

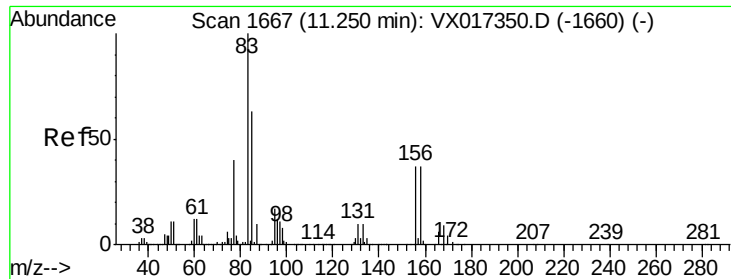
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 92.762 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 450521

Ion Ratio Lower Upper

83 100

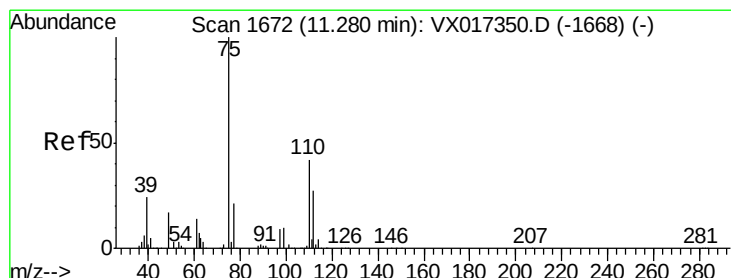
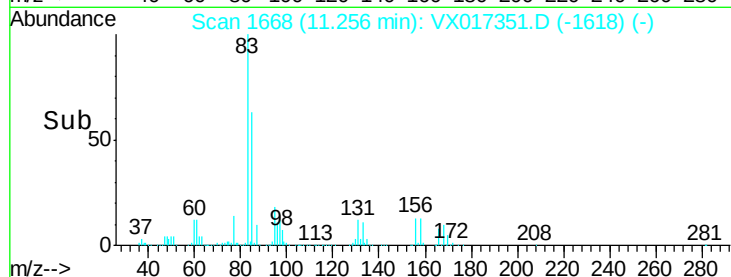
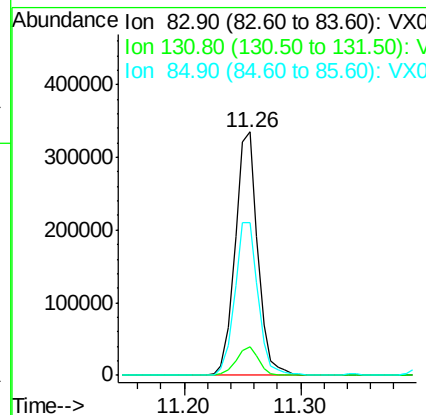
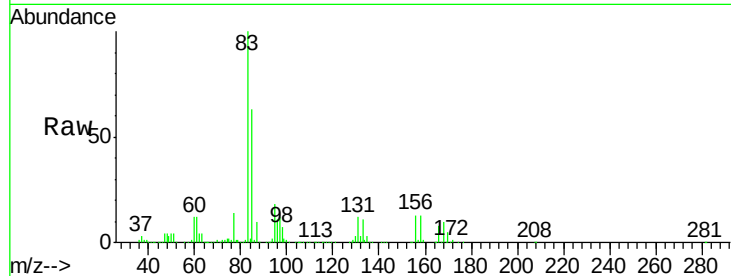
131 11.5 5.5 16.7

85 64.8 32.6 98.0

Manual Integrations
APPROVED

MMDadoda

7/14/2020 11:35:51 AM



#76

1,2,3-Trichloropropane

Concen: 94.196 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017351.D

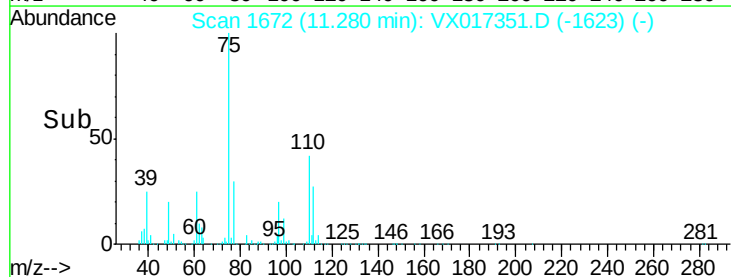
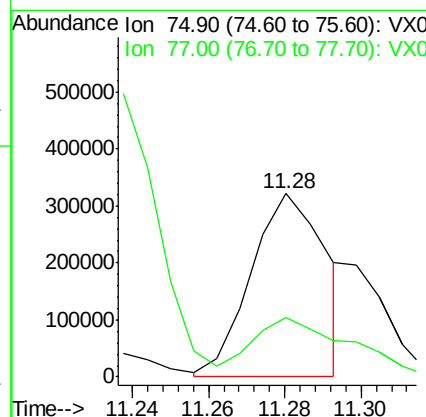
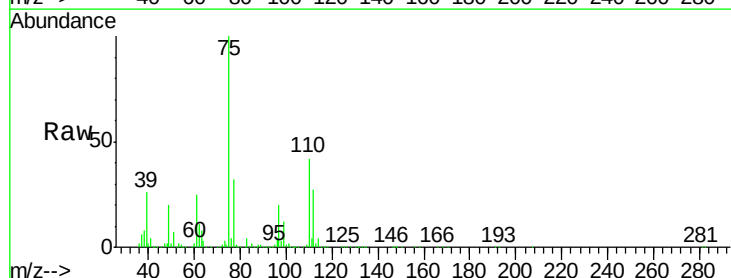
Acq: 13 Jul 2020 11:46

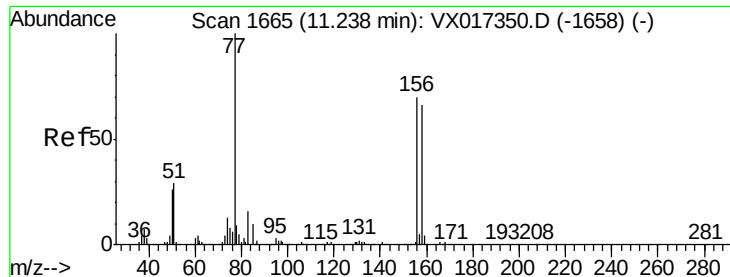
Tgt Ion: 75 Resp: 436697

Ion Ratio Lower Upper

75 100

77 42.2 20.3 60.9





#77

Bromobenzene

Concen: 99.018 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

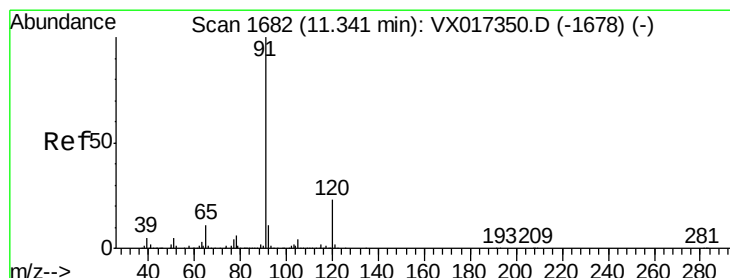
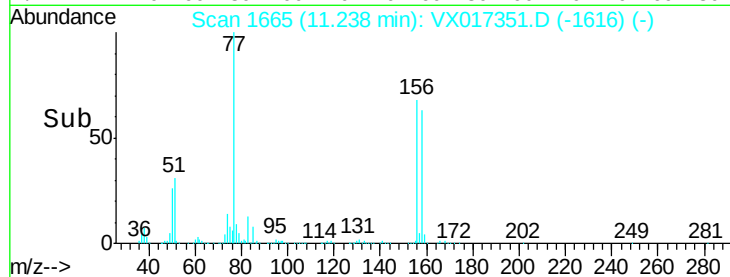
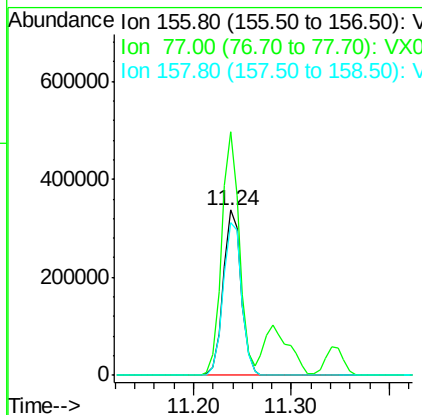
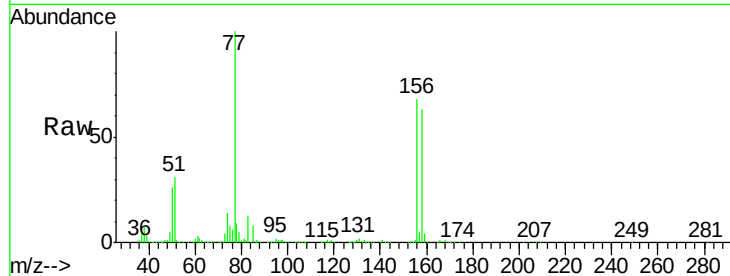
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	426122
Ion Ratio	Lower	Upper	
156	100		
77	146.1	72.1	216.3
158	95.6	47.4	142.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#78

n-propylbenzene

Concen: 102.555 ug/l

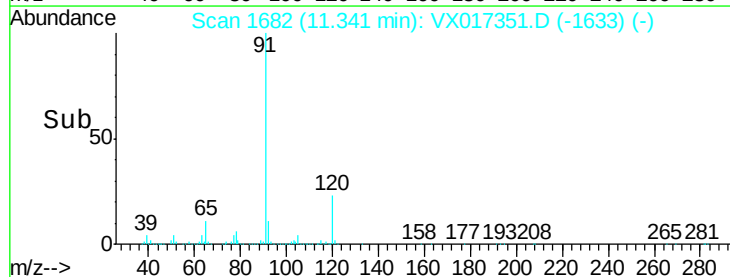
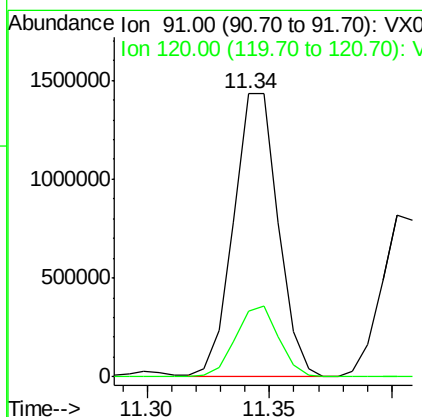
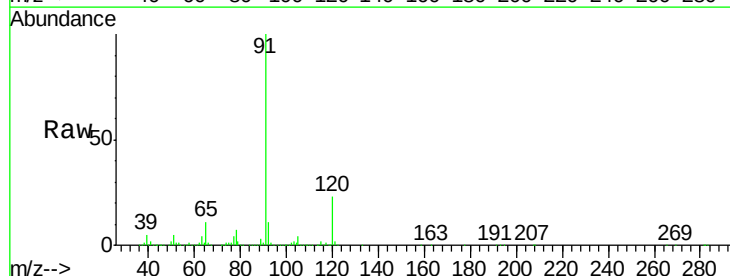
RT: 11.34 min Scan# 1682

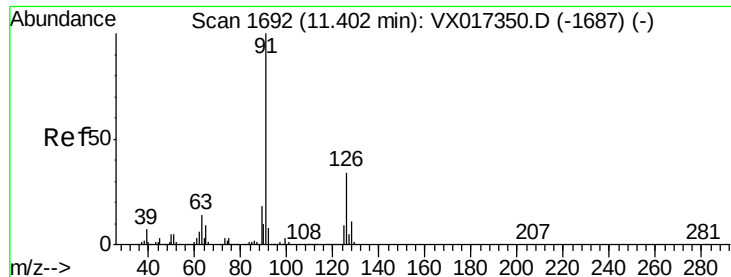
Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	91	Resp:	1802285
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.9	35.9





#79

2-Chlorotoluene

Concen: 100.125 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1064803

Ion Ratio Lower Upper

91 100

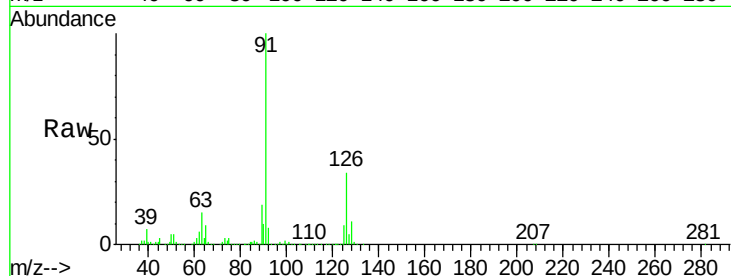
126 35.2 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:51 AM



Abundance Ion 91.00 (90.70 to 91.70): VX017351.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX017351.D (-1687) (-)

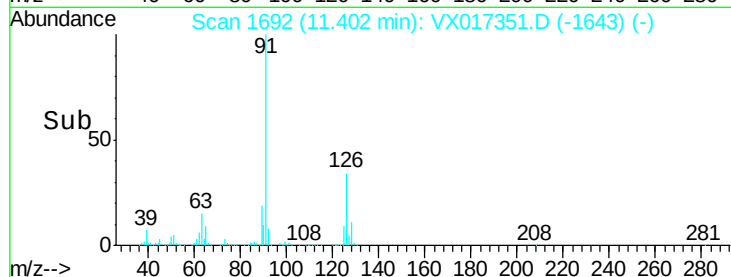
1500000

1000000

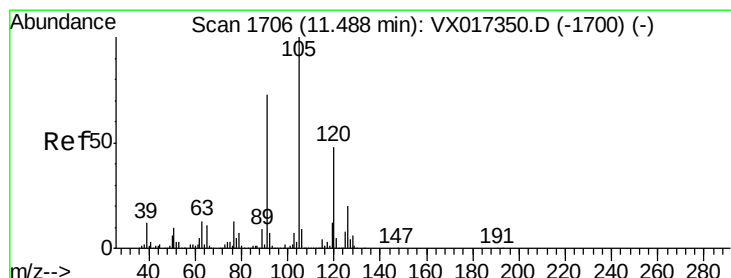
500000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 105.185 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017351.D

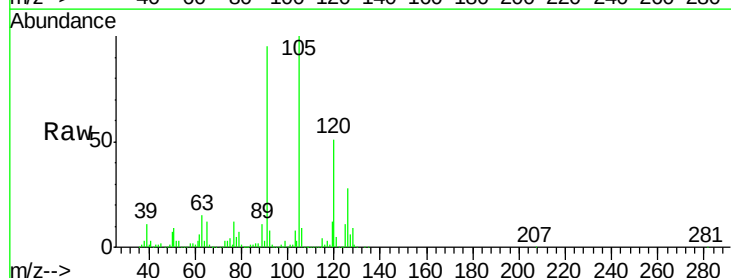
Acq: 13 Jul 2020 11:46

Tgt Ion: 105 Resp: 1356490

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX017351.D (-1657) (-)

Ion 120.00 (119.70 to 120.70): VX017351.D (-1657) (-)

1200000

1000000

800000

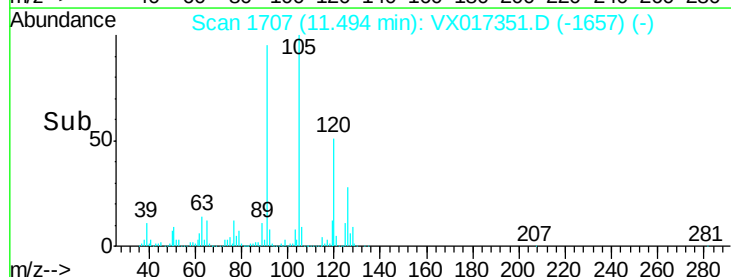
600000

400000

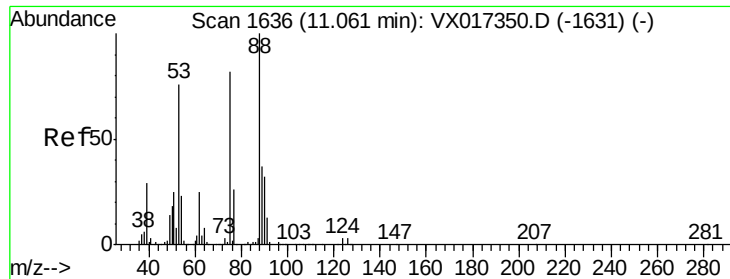
200000

0

11.40 11.50 11.60



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 101.924 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 181899

Ion Ratio Lower Upper

75 100

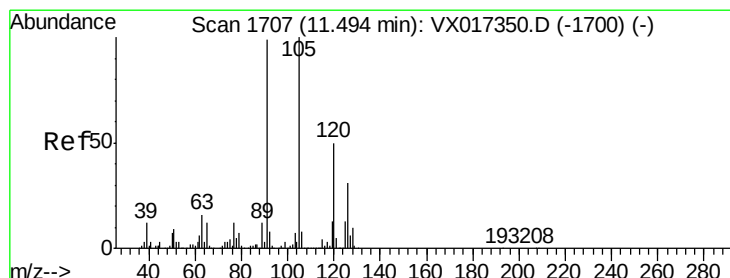
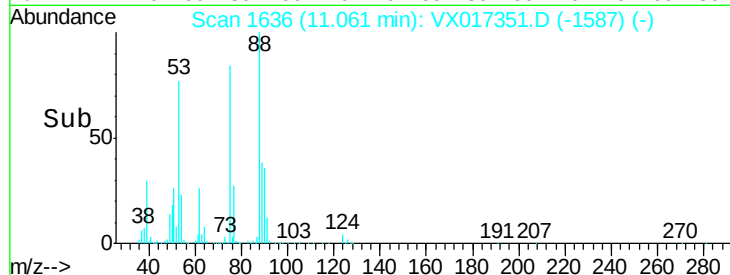
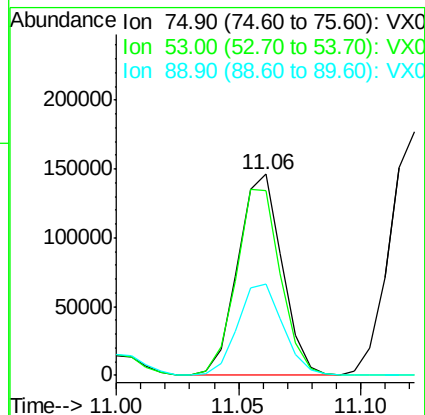
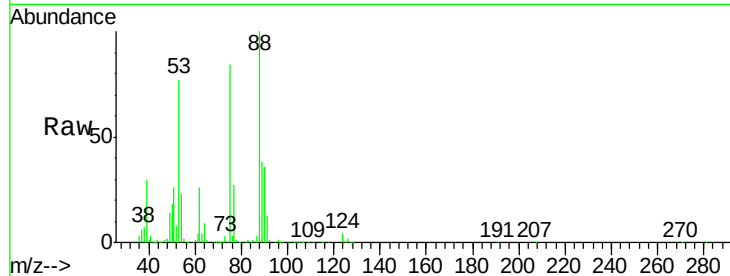
53 93.8 76.5 114.7

89 46.8 38.1 57.1

Manual Integrations
APPROVED

MMDadoda

7/14/2020 11:35:51 AM



#82

4-Chlorotoluene

Concen: 100.345 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017351.D

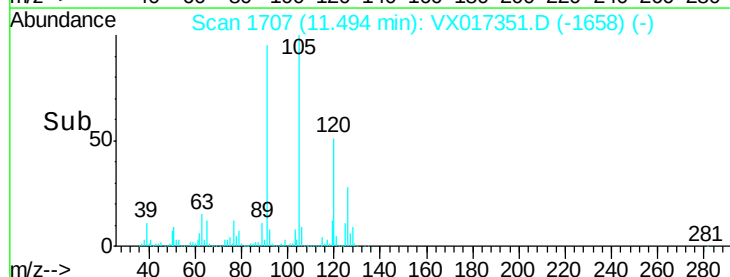
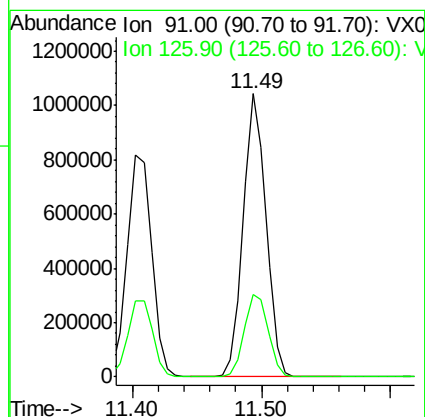
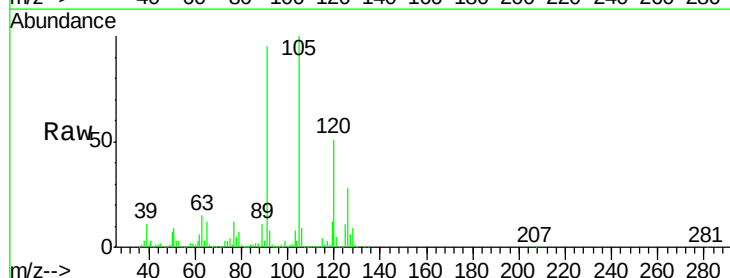
Acq: 13 Jul 2020 11:46

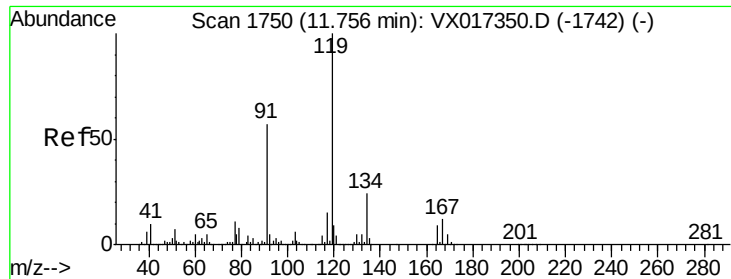
Tgt Ion: 91 Resp: 1277734

Ion Ratio Lower Upper

91 100

126 30.5 15.4 46.2





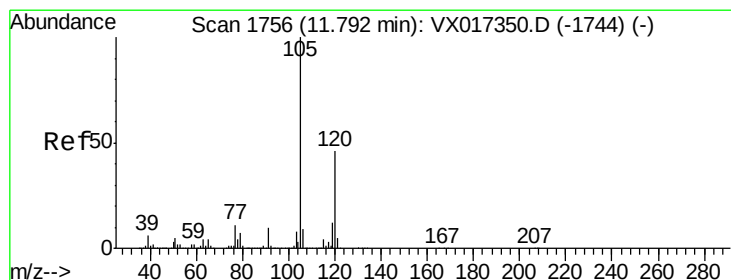
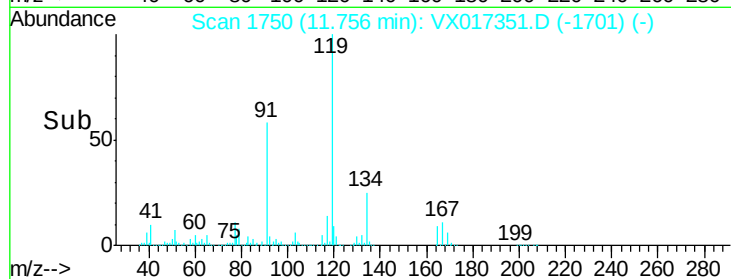
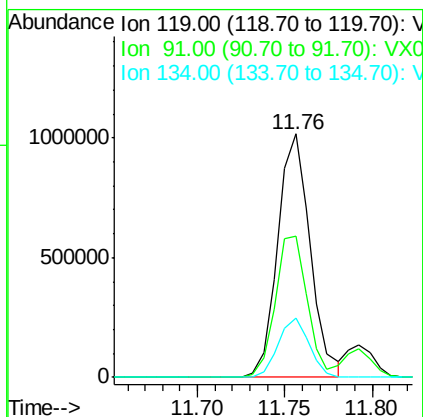
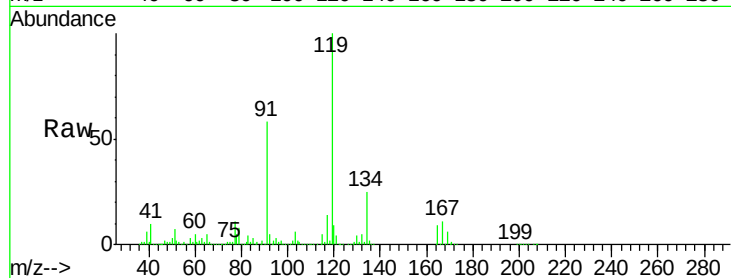
#83
 tert-Butylbenzene
 Concen: 103.994 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.0	28.5	85.6
134	23.4	11.9	35.9

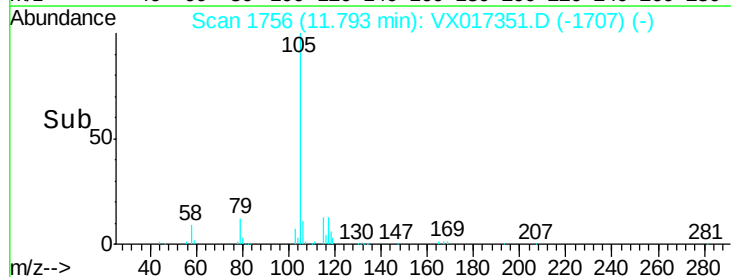
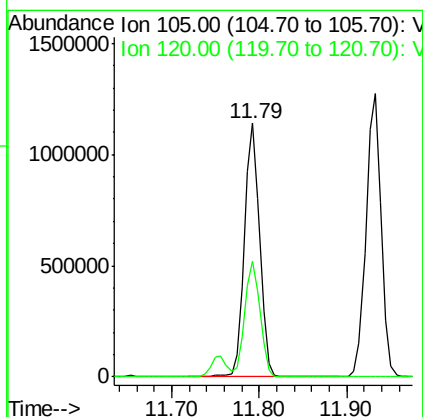
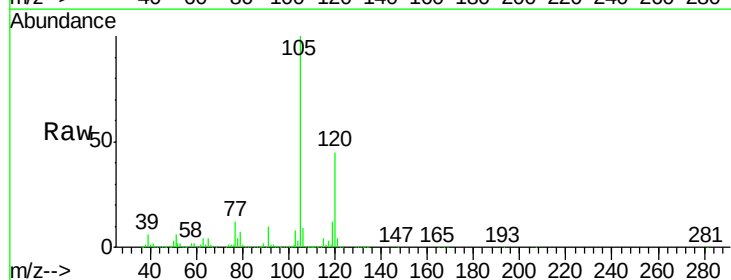
Manual Integrations
 APPROVED

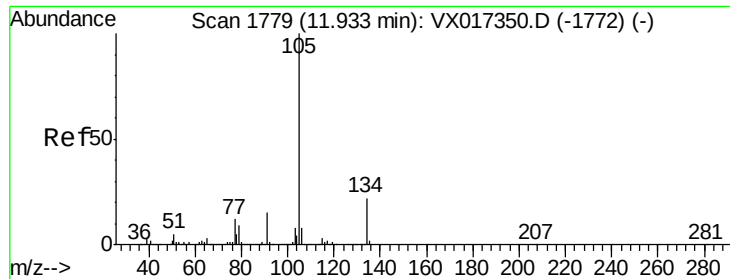
MMDadoda
 7/14/2020 11:35:51 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 105.240 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.4





#85

sec-Butylbenzene

Concen: 103.828 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1545389

Ion Ratio Lower Upper

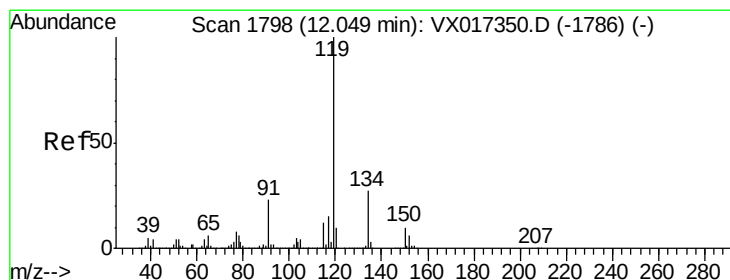
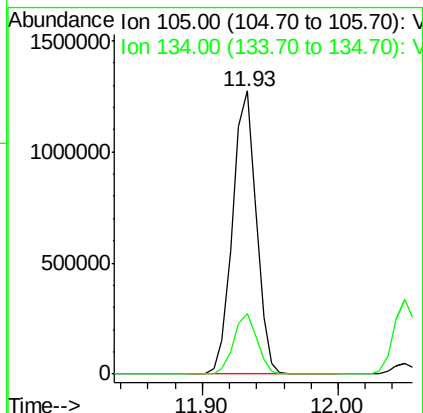
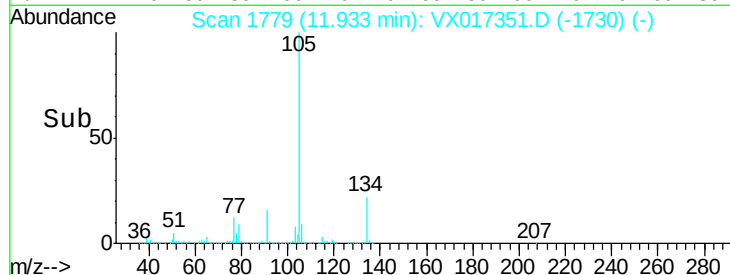
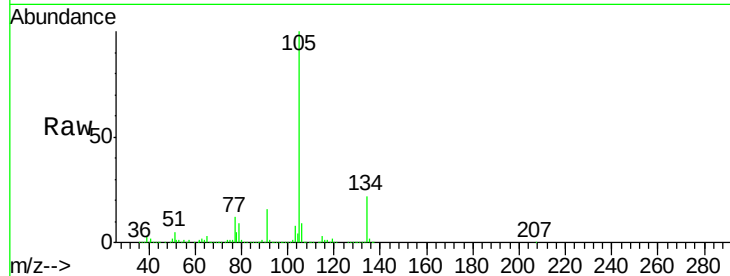
105 100

134 21.1 10.5 31.5

Manual Integrations
APPROVED

MMDadoda

7/14/2020 11:35:51 AM



#86

p-Isopropyltoluene

Concen: 106.438 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

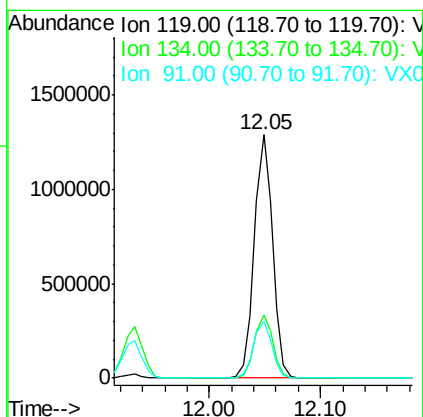
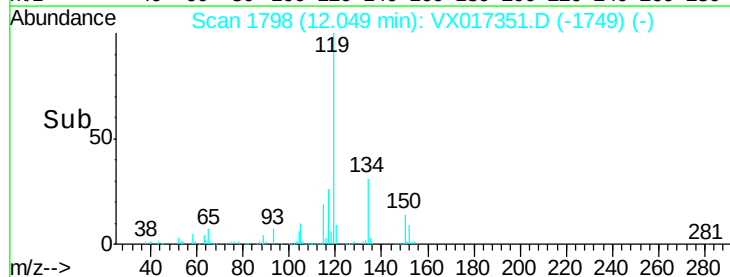
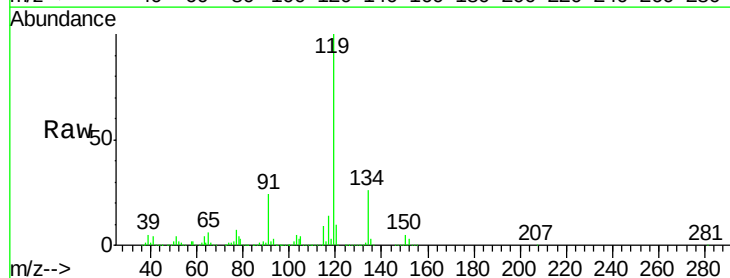
Tgt Ion:119 Resp: 1472867

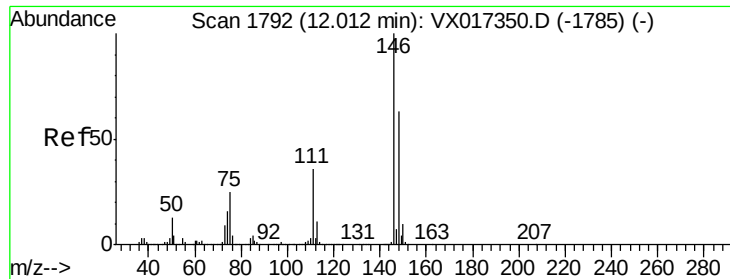
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 23.5 11.8 35.3





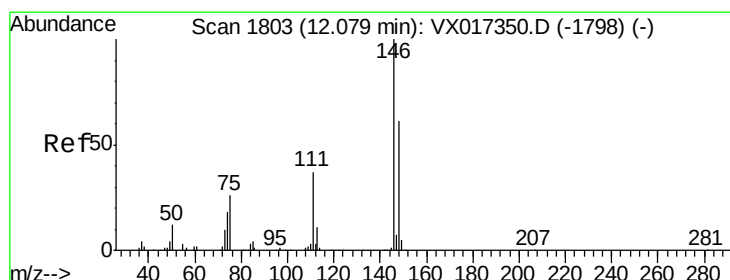
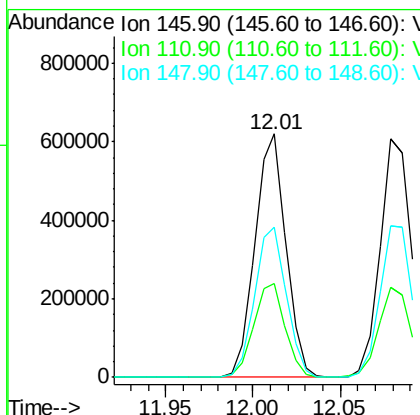
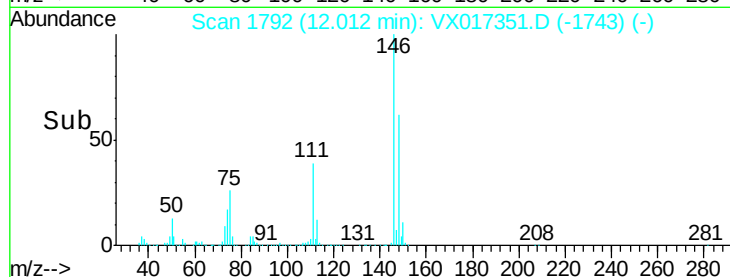
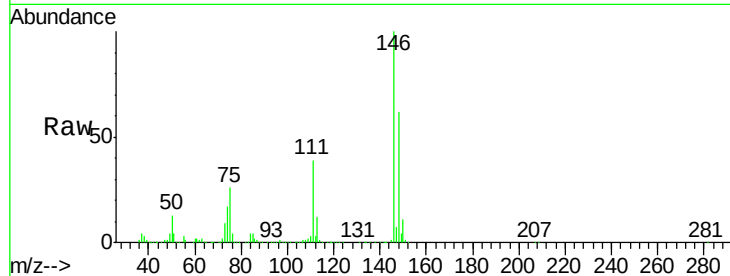
#87
 1,3-Dichlorobenzene
 Concen: 97.248 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	62.9	31.6	95.0

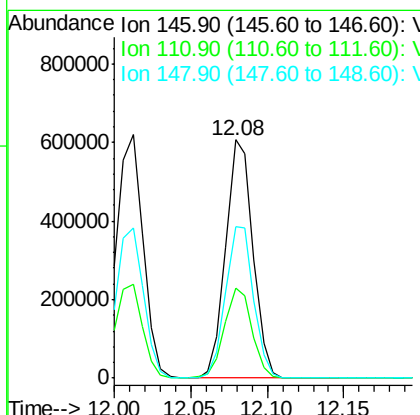
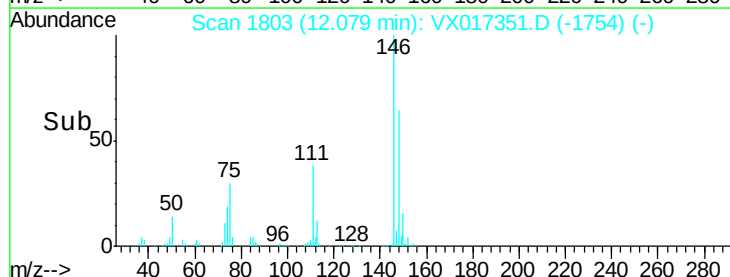
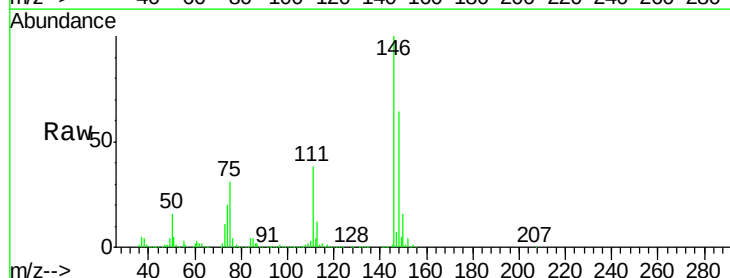
Manual Integrations
 APPROVED

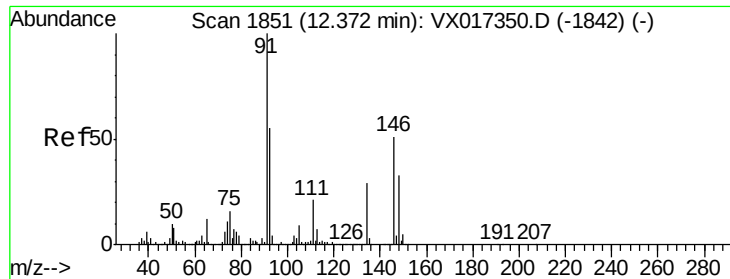
MMDadoda
 7/14/2020 11:35:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 93.658 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	65.1	31.9	95.9





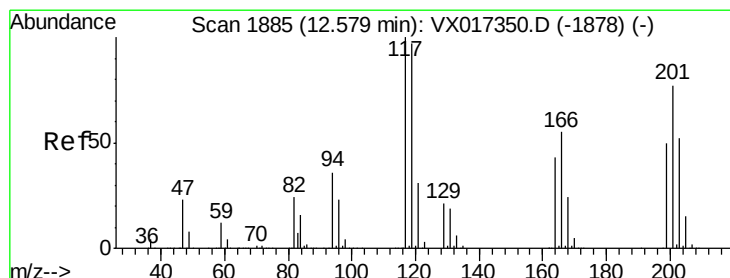
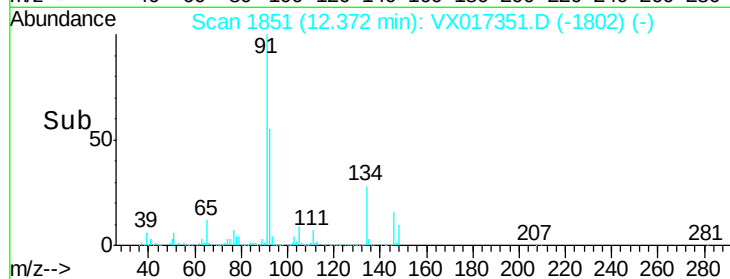
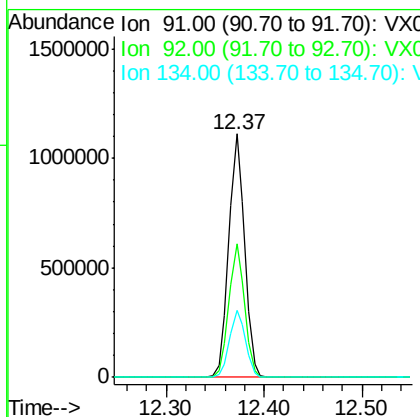
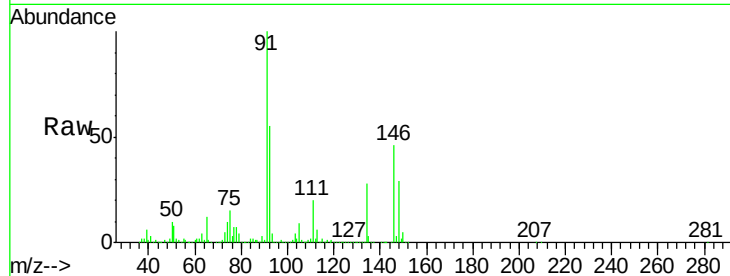
#89
n-Butylbenzene
Concen: 101.341 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1247743
Ion Ratio Lower Upper
91 100
92 54.5 27.0 81.0
134 27.8 14.1 42.2

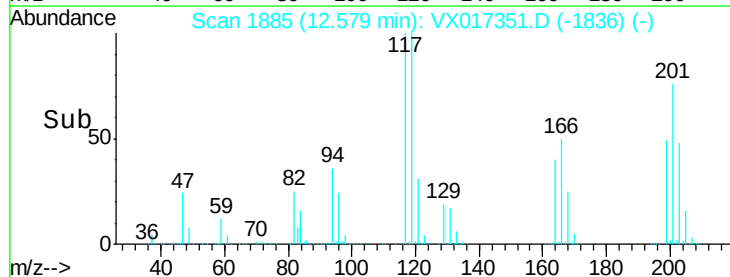
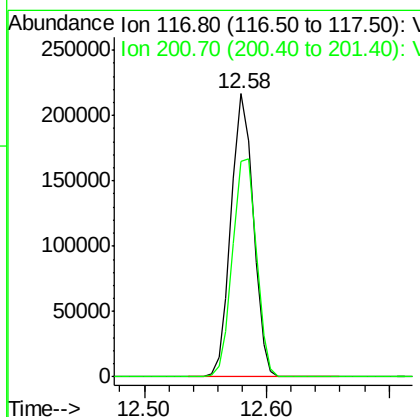
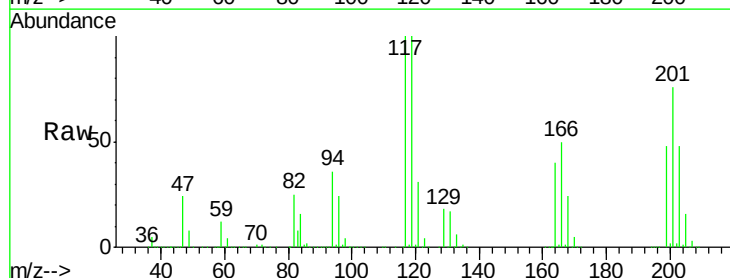
Manual Integrations
APPROVED

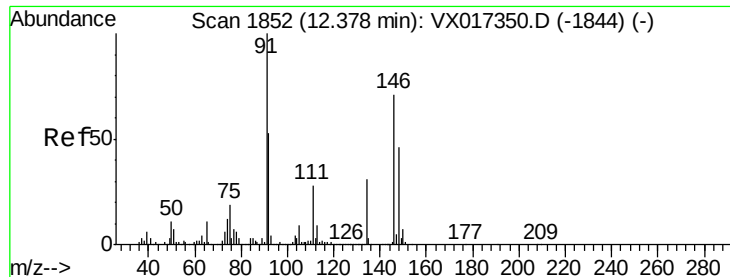
MMDadoda
7/14/2020 11:35:51 AM



#90
Hexachloroethane
Concen: 100.094 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017351.D
Acq: 13 Jul 2020 11:46

Tgt Ion: 117 Resp: 272460
Ion Ratio Lower Upper
117 100
201 82.3 41.0 123.0





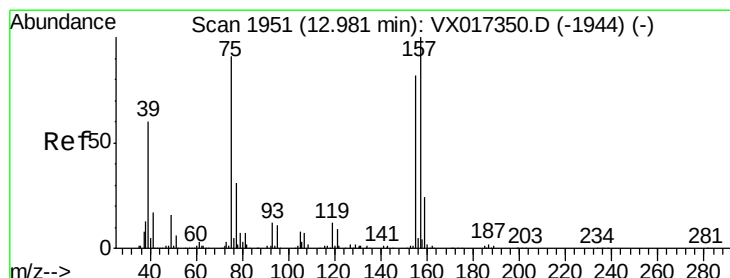
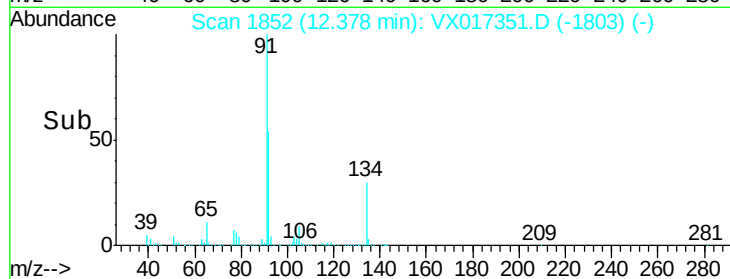
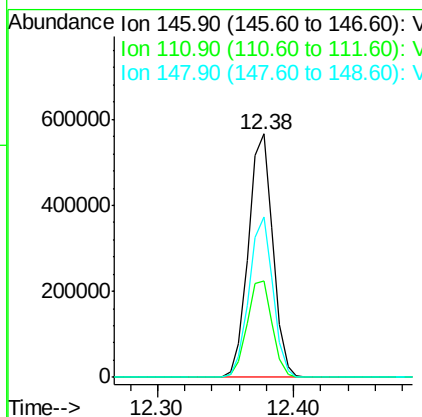
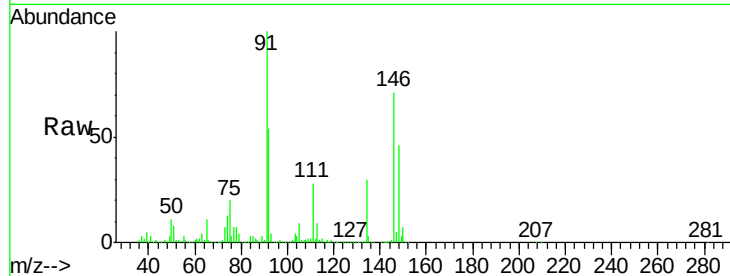
#91
 1,2-Dichlorobenzene
 Concen: 97.858 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	64.6	32.0	96.0

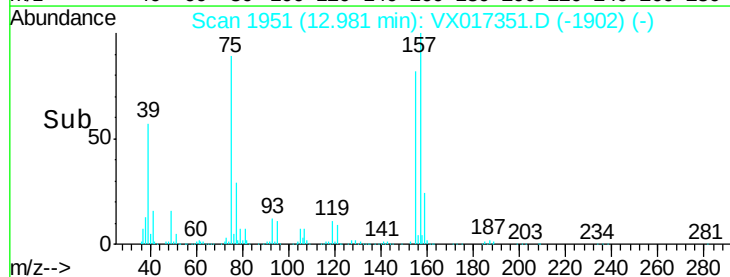
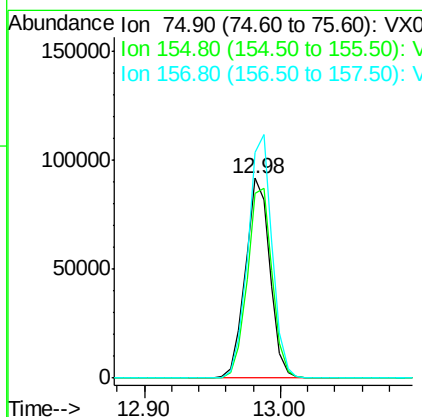
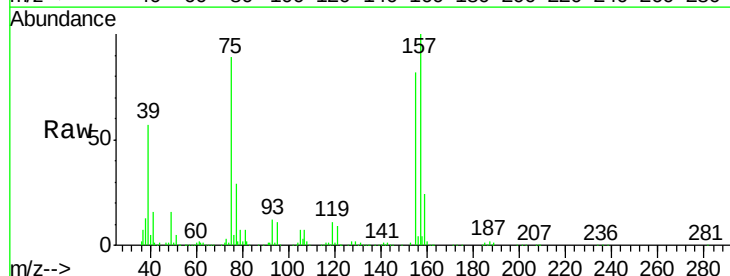
Manual Integrations
 APPROVED

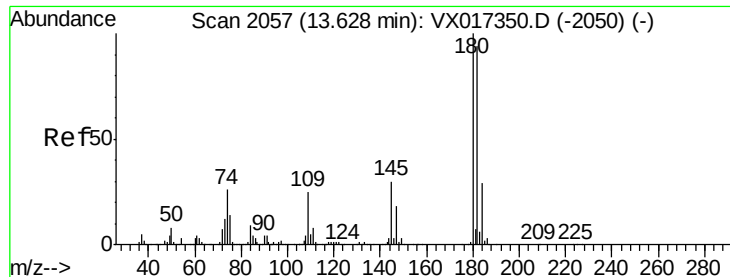
MMDadoda
 7/14/2020 11:35:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.261 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	46.5	139.3
157	120.4	58.0	173.9





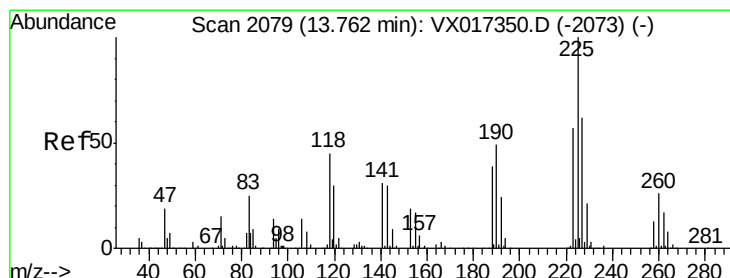
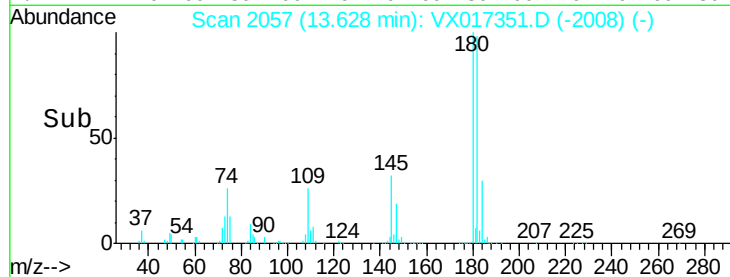
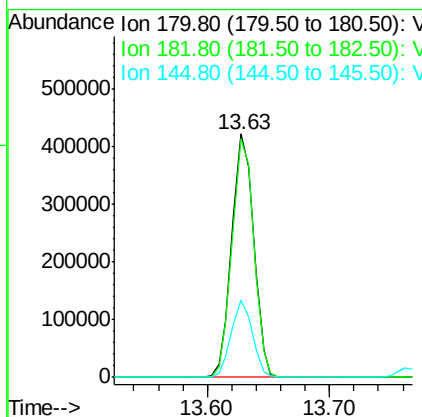
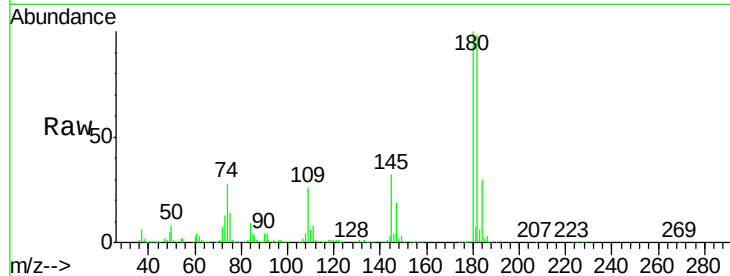
#93
 1,2,4-Trichlorobenzene
 Concen: 104.526 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	521090		
182	97.2	48.4	145.0	
145	30.7	15.3	45.8	

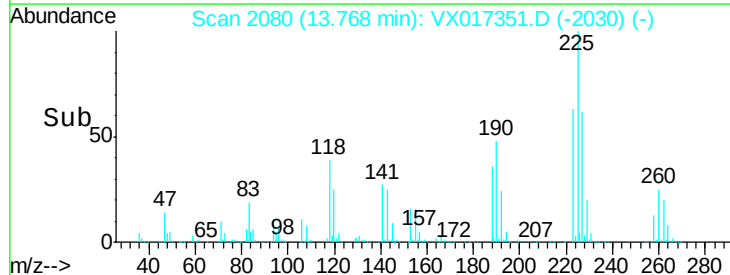
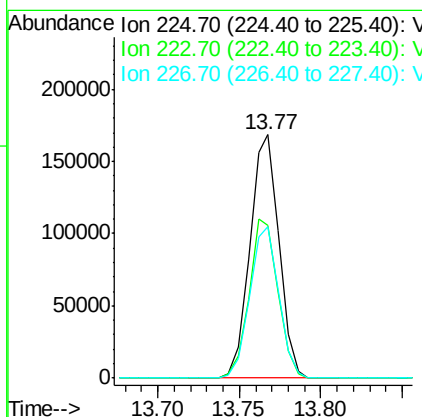
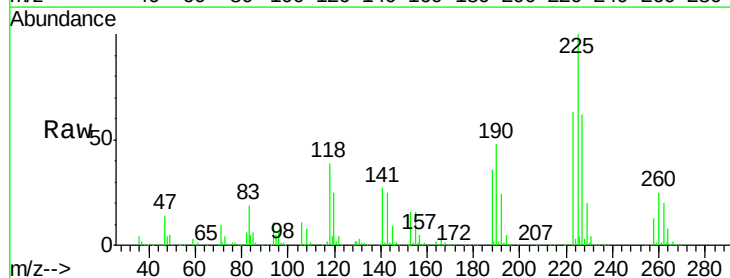
Manual Integrations
 APPROVED

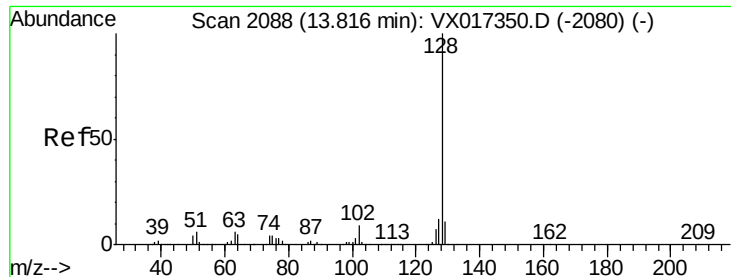
MMDadoda
 7/14/2020 11:35:51 AM



#94
 Hexachlorobutadiene
 Concen: 102.195 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017351.D
 Acq: 13 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	208356		
223	65.3	31.3	93.8	
227	62.5	31.6	95.0	





#95

Naphthalene

Concen: 108.311 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Instrument :

MSVOA_X

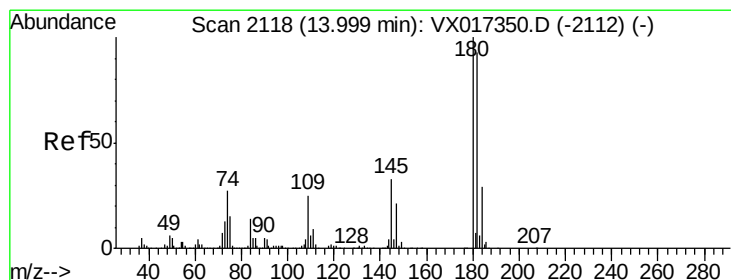
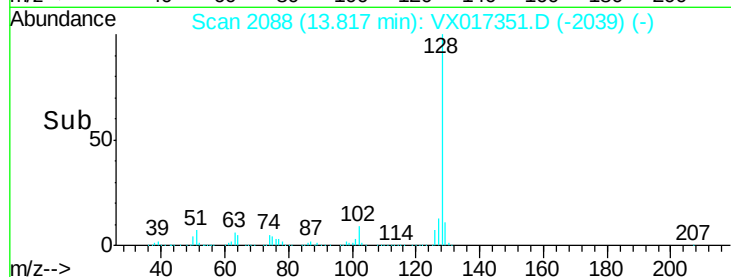
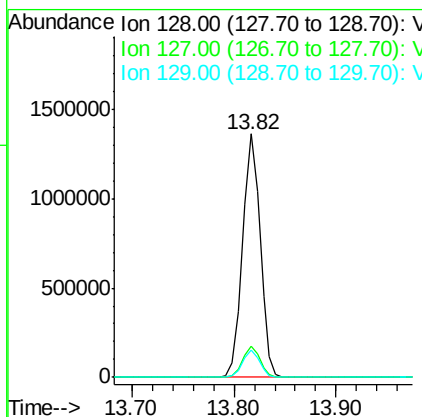
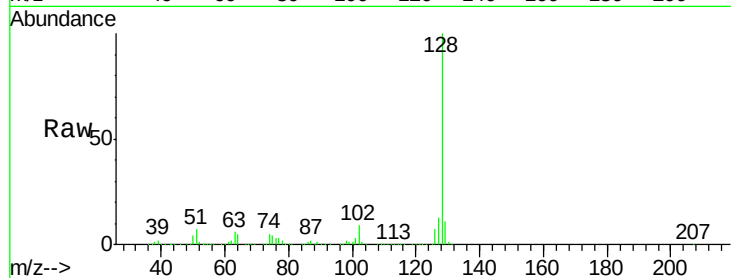
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	1624021
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 106.176 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX017351.D

Acq: 13 Jul 2020 11:46

Tgt Ion:	180	Resp:	511147
Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.8	146.3
145	32.6	16.6	49.7

