

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017347.D
 Acq On : 13 Jul 2020 10:16
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:43 AM

Quant Time: Jul 14 03:00:37 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	296249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	453241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	423971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213311	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	2153	0.757	ug/l	98
3) Chloromethane	1.32	50	3128	0.926	ug/l	99
4) Vinyl Chloride	1.40	62	2757	0.868	ug/l	99
6) Chloroethane	1.72	64	1863	0.984	ug/l	89
7) Trichlorofluoromethane	1.92	101	4614	0.959	ug/l	89
8) Diethyl Ether	2.17	74	1969	1.133	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2951	1.041	ug/l	98
12) 1,1-Dichloroethene	2.36	96	3022	1.044	ug/l	91
14) Allyl chloride	2.70	41	5035	0.946	ug/l	95
15) Acrylonitrile	3.12	53	7570	4.576	ug/l #	93
16) Acetone	2.42	43	8048	5.932	ug/l	98
17) Carbon Disulfide	2.56	76	8585	0.967	ug/l	98
18) Methyl Acetate	2.75	43	3781	1.077	ug/l	91
19) Methyl tert-butyl Ether	3.17	73	8951	0.917	ug/l	98
20) Methylene Chloride	2.83	84	4166	1.209	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	3474	1.075	ug/l	88
22) Diisopropyl ether	3.82	45	8847	0.899	ug/l #	95
23) Vinyl Acetate	3.79	43	35621	4.196	ug/l	100
24) 1,1-Dichloroethane	3.67	63	5519	0.981	ug/l	95
25) 2-Butanone	4.64	43	10847	4.832	ug/l	93
26) 2,2-Dichloropropane	4.54	77	5169	1.024	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	3790	1.041	ug/l	94
28) Bromochloromethane	4.97	49	2484	0.911	ug/l #	98
29) Tetrahydrofuran	5.09	42	7119	4.821	ug/l	96
30) Chloroform	5.17	83	6108	1.051	ug/l #	72
32) 1,1,1-Trichloroethane	5.47	97	5382	1.001	ug/l #	47
36) 1,1-Dichloropropene	5.77	75	4347	1.014	ug/l #	88
37) Ethyl Acetate	4.80	43	4893	1.132	ug/l #	83
38) Carbon Tetrachloride	5.75	117	5132	1.076	ug/l #	92
39) Methylcyclohexane	7.44	83	4501	0.949	ug/l	89
40) Benzene	6.12	78	12356	0.984	ug/l	99
41) Methacrylonitrile	5.01	41	2292m	0.942	ug/l	
42) 1,2-Dichloroethane	6.16	62	4782	1.043	ug/l	96
43) Isopropyl Acetate	6.41	43	6981	0.970	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX071347.D
 Acq On : 13 Jul 2020 10:16
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:43 AM

Quant Time: Jul 14 03:00:37 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)
44) Trichloroethene	7.19	130	3761	0.988	ug/l	86
45) 1,2-Dichloropropane	7.49	63	3213	0.997	ug/l	98
46) Dibromomethane	7.64	93	2163	0.977	ug/l	91
47) Bromodichloromethane	7.87	83	4465	0.976	ug/l #	91
48) Methyl methacrylate	7.75	41	2938	0.860	ug/l	91
49) 1,4-Dioxane	7.72	88	1233	16.086	ug/l #	63
51) 4-Methyl-2-Pentanone	8.62	43	18629	4.334	ug/l	100
52) Toluene	8.76	92	7299	0.927	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	4373	0.867	ug/l #	88
54) cis-1,3-Dichloropropene	8.42	75	5110	0.947	ug/l	90
55) 1,1,2-Trichloroethane	9.20	97	3116	0.964	ug/l	95
56) Ethyl methacrylate	9.16	69	3693	0.806	ug/l #	87
57) 1,3-Dichloropropane	9.35	76	5304	0.973	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.29	63	8787	3.837	ug/l	98
59) 2-Hexanone	9.48	43	13891	4.400	ug/l	90
60) Dibromochloromethane	9.57	129	3521	0.931	ug/l	94
61) 1,2-Dibromoethane	9.65	107	3206	0.922	ug/l	97
64) Tetrachloroethene	9.32	164	4134	1.191	ug/l	98
65) Chlorobenzene	10.12	112	9288	1.061	ug/l	89
66) 1,1,1,2-Tetrachloroethane	10.20	131	3509	1.033	ug/l #	67
67) Ethyl Benzene	10.23	91	13556	0.929	ug/l	96
68) m/p-Xylenes	10.34	106	9379	1.674	ug/l	96
69) o-Xylene	10.68	106	4641	0.868	ug/l	97
70) Styrene	10.70	104	7118	0.783	ug/l	95
71) Bromoform	10.84	173	2606	0.960	ug/l #	96
73) Isopropylbenzene	11.00	105	11926	0.857	ug/l	99
74) N-amyl acetate	10.88	43	4353	0.742	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	3976	0.914	ug/l	96
76) 1,2,3-Trichloropropane	11.28	75	3633m	0.875	ug/l	
77) Bromobenzene	11.24	156	3944	1.023	ug/l	95
78) n-propylbenzene	11.34	91	12706	0.807	ug/l	99
79) 2-Chlorotoluene	11.40	91	8485	0.891	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	9887	0.856	ug/l	97
82) 4-Chlorotoluene	11.49	91	9909	0.869	ug/l	99
83) tert-Butylbenzene	11.76	119	9590	0.845	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	9306	0.792	ug/l	99
85) sec-Butylbenzene	11.93	105	10897	0.817	ug/l	100
86) p-Isopropyltoluene	12.05	119	10111	0.816	ug/l	88
87) 1,3-Dichlorobenzene	12.01	146	7166	1.022	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	7233m	1.011	ug/l	
89) n-Butylbenzene	12.37	91	9494	0.861	ug/l	97
90) Hexachloroethane	12.58	117	2015	0.826	ug/l	85
91) 1,2-Dichlorobenzene	12.38	146	6387	0.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1318	1.254	ug/l	75
93) 1,2,4-Trichlorobenzene	13.63	180	4413	0.988	ug/l	97
94) Hexachlorobutadiene	13.77	225	1760	0.964	ug/l	91
95) Naphthalene	13.82	128	10740	0.800	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	3967	0.920	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071320\
Data File : VX017347.D
Acq On : 13 Jul 2020 10:16
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM

Quant Time: Jul 14 03:00:37 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)
--------------------	------	------	----------	------	-------	----------

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

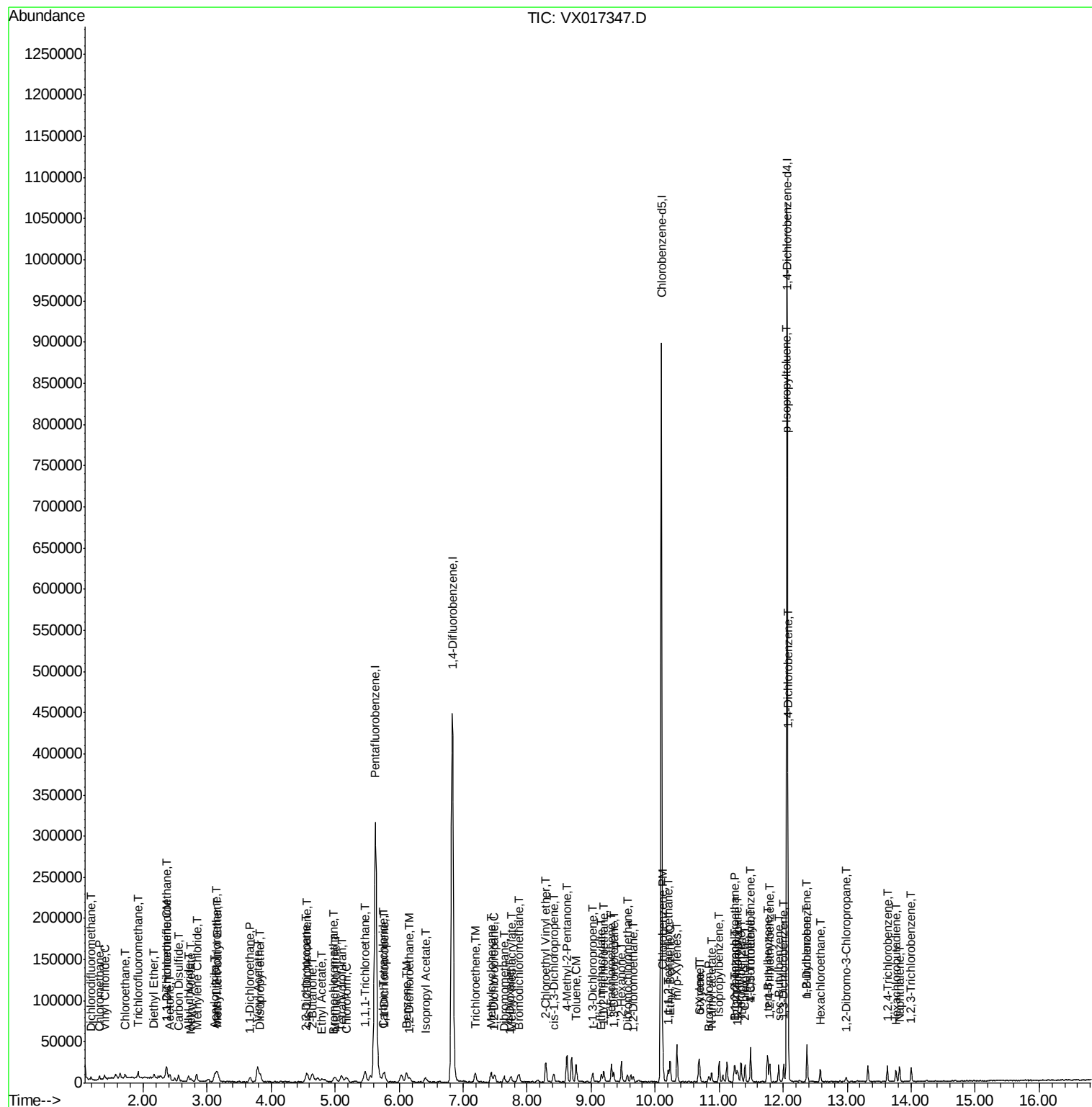
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071320\
 Data File : VX071347.D
 Acq On : 13 Jul 2020 10:16
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

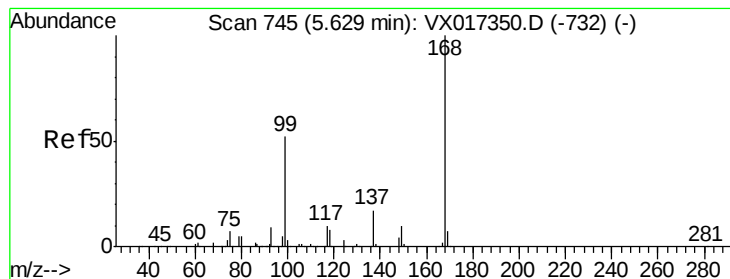
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:43 AM

Quant Time: Jul 14 03:00:37 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 296249

Ion Ratio Lower Upper

168 100

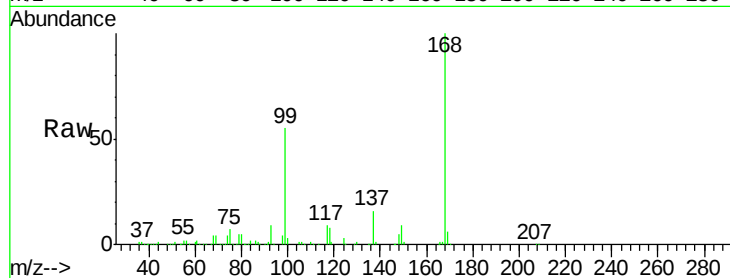
99 54.8 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:43 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

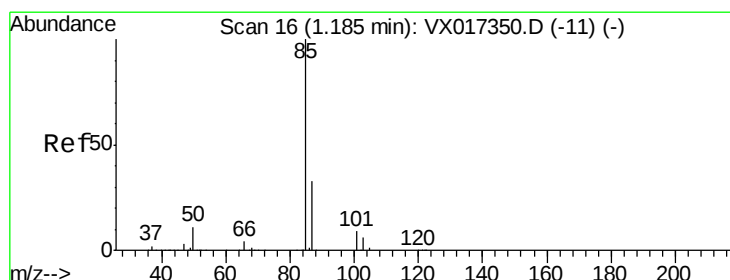
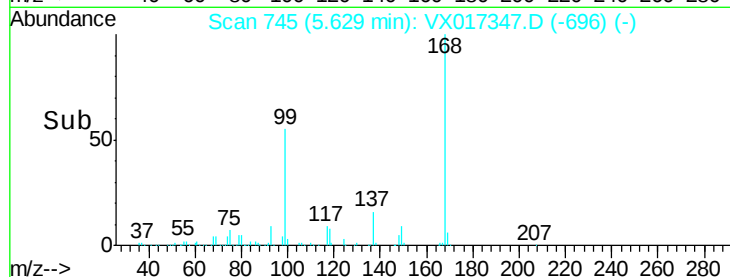
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.757 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017347.D

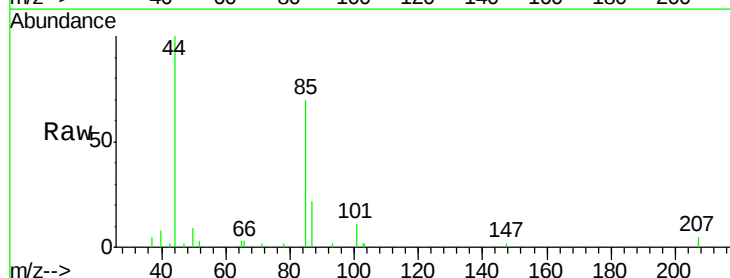
Acq: 13 Jul 2020 10:16

Tgt Ion: 85 Resp: 2153

Ion Ratio Lower Upper

85 100

87 31.6 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

2500

2000

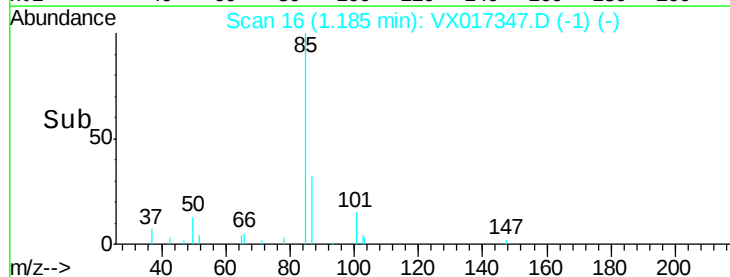
1500

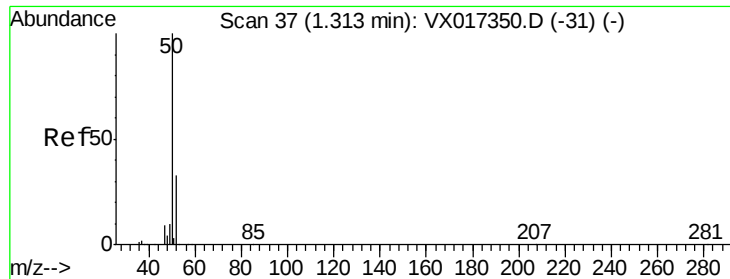
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.926 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3128

Ion Ratio Lower Upper

50 100

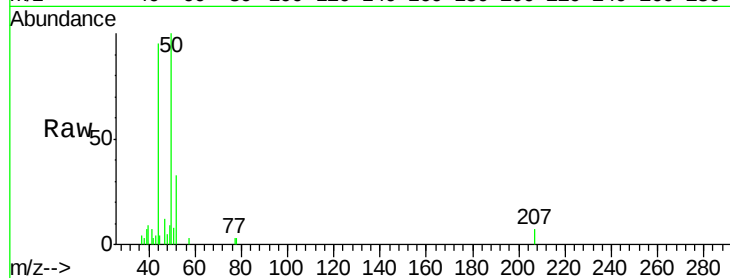
52 32.8 26.7 40.1

Manual Integrations

APPROVED

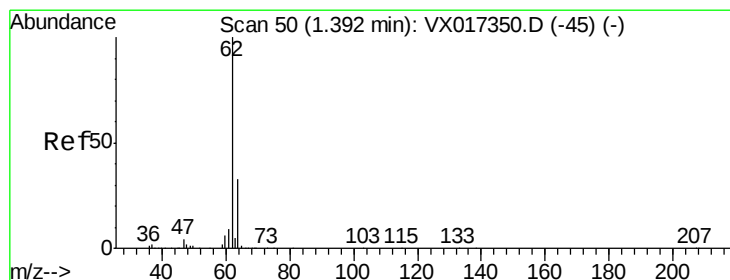
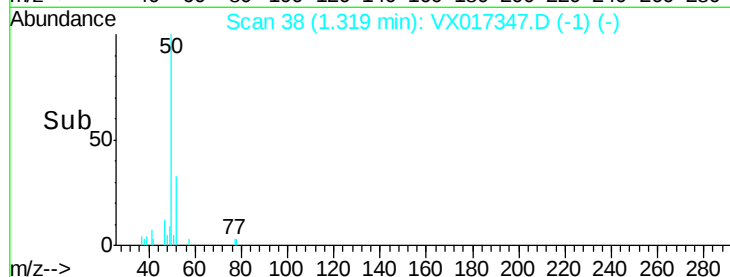
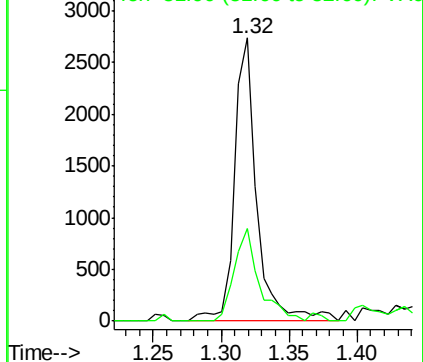
MMDadoda

7/14/2020 11:35:43 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.868 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017347.D

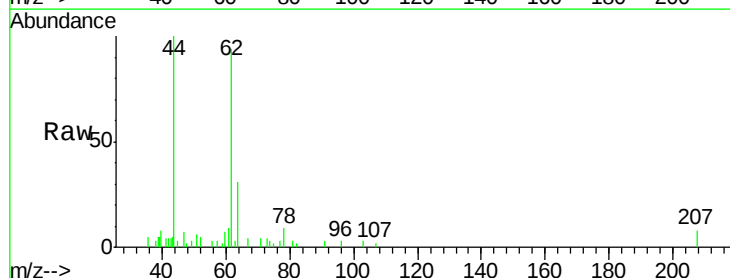
Acq: 13 Jul 2020 10:16

Tgt Ion: 62 Resp: 2757

Ion Ratio Lower Upper

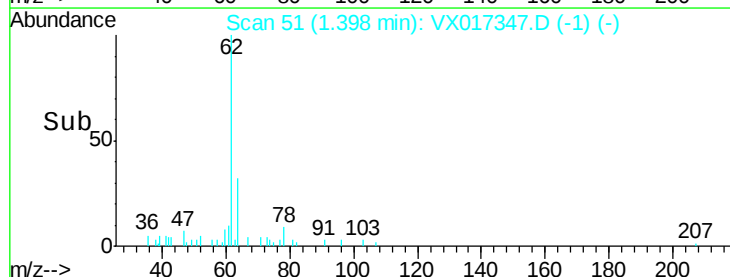
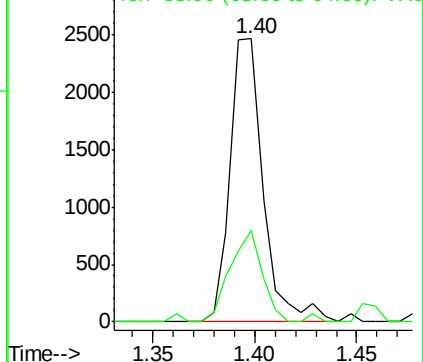
62 100

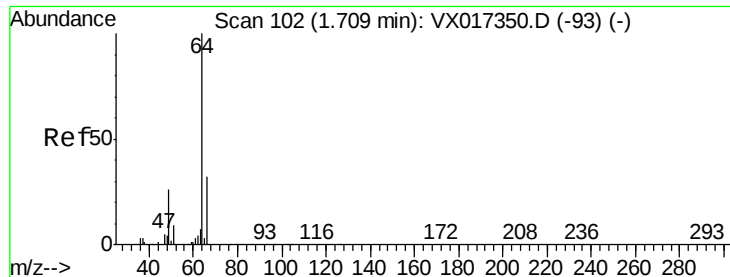
64 32.4 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 0.984 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 1863

Ion Ratio Lower Upper

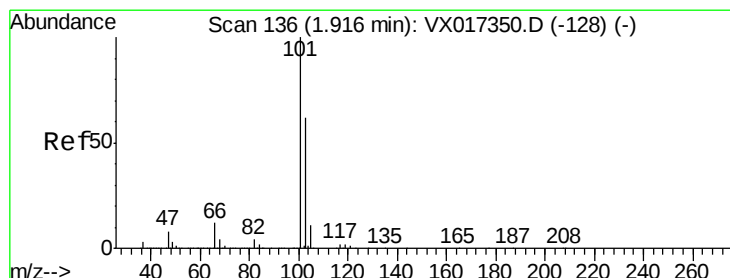
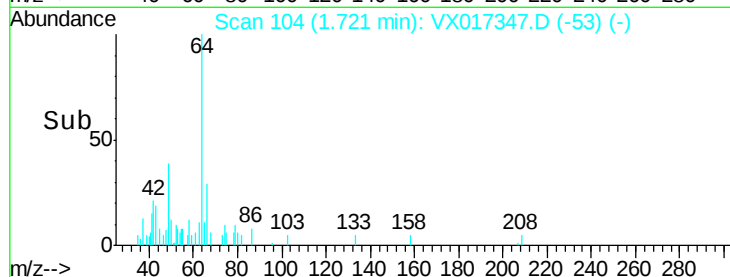
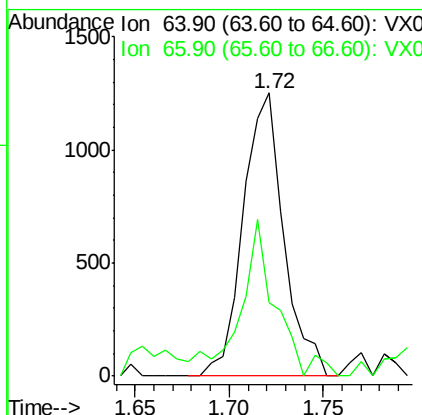
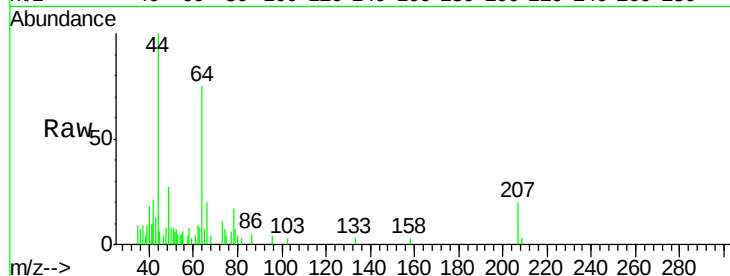
64 100

66 26.1 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

7/14/2020 11:35:43 AM



#7

Trichlorofluoromethane

Concen: 0.959 ug/l

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX017347.D

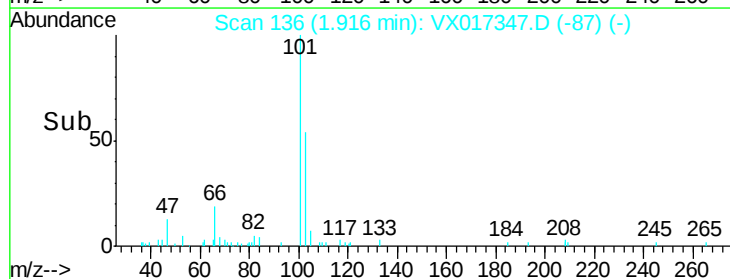
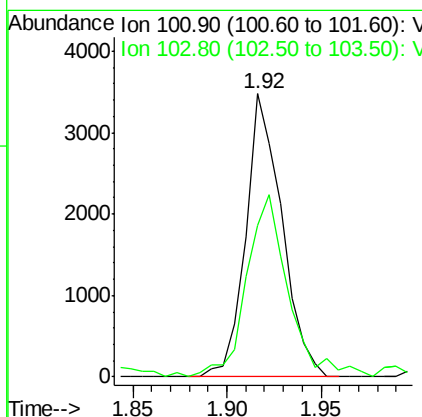
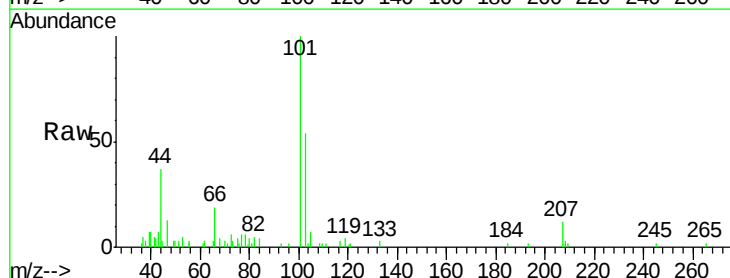
Acq: 13 Jul 2020 10:16

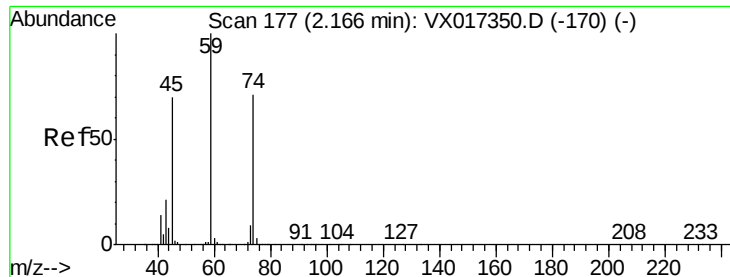
Tgt Ion: 101 Resp: 4614

Ion Ratio Lower Upper

101 100

103 53.7 49.6 74.4





#8

Diethyl Ether

Concen: 1.133 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1969

Ion Ratio Lower Upper

74 100

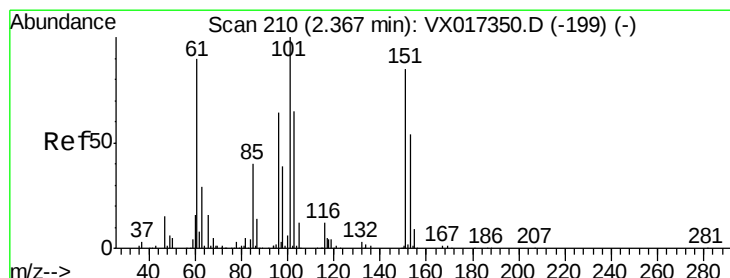
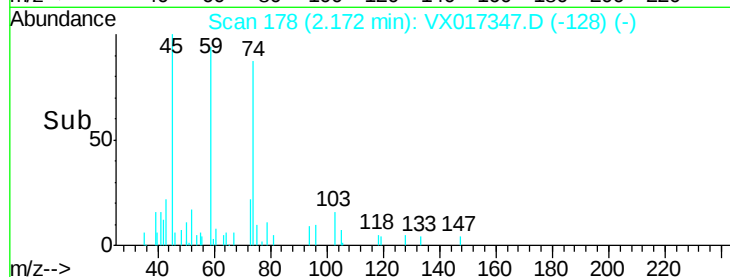
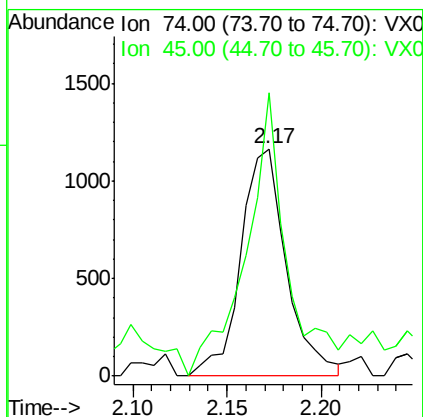
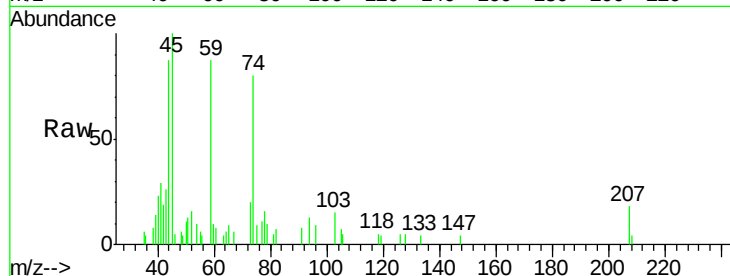
45 111.4 47.2 141.6

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:43 AM



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.041 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

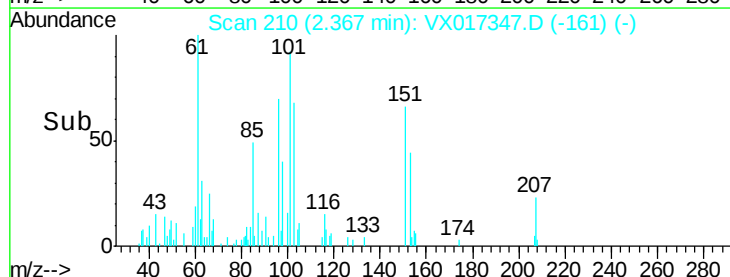
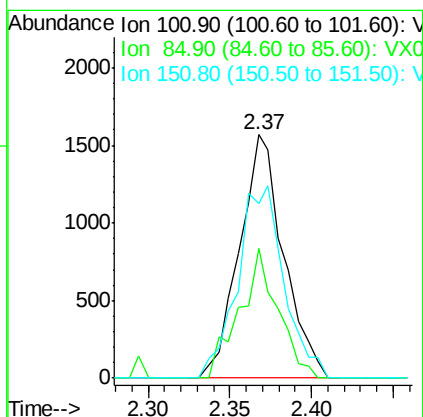
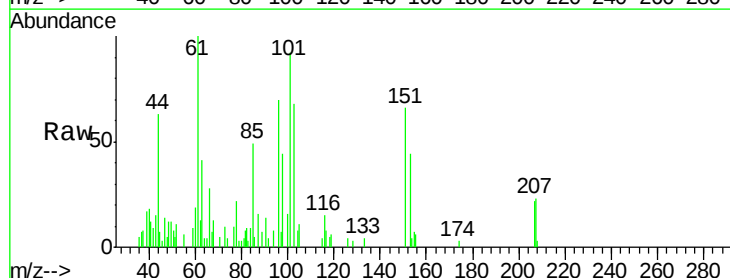
Tgt Ion: 101 Resp: 2951

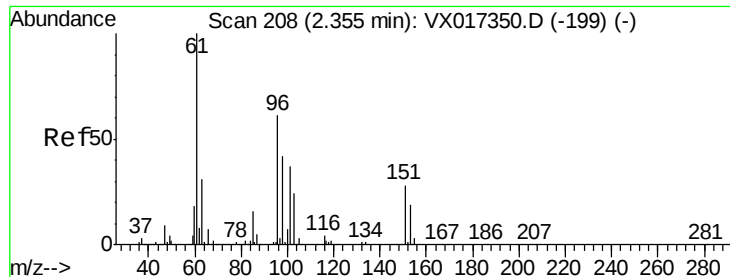
Ion Ratio Lower Upper

101 100

85 46.4 33.7 50.5

151 83.2 66.4 99.6





#12

1,1-Dichloroethene

Concen: 1.044 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

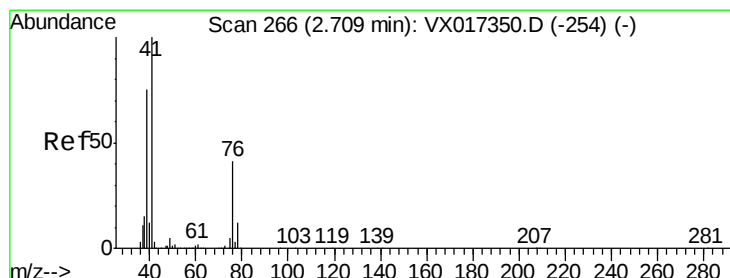
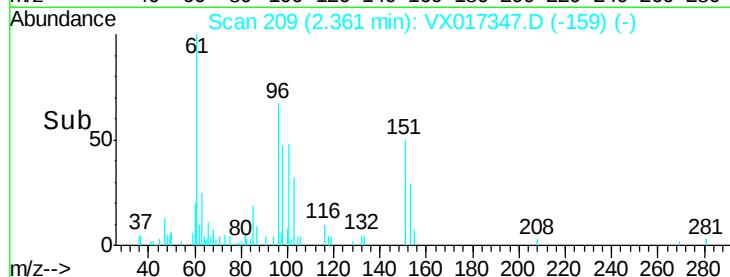
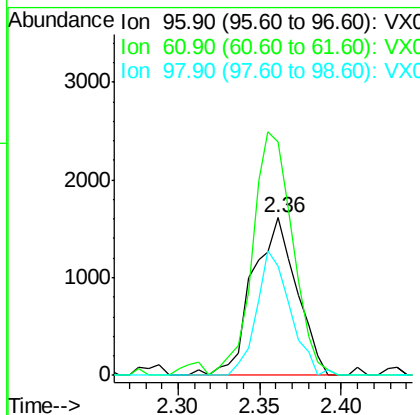
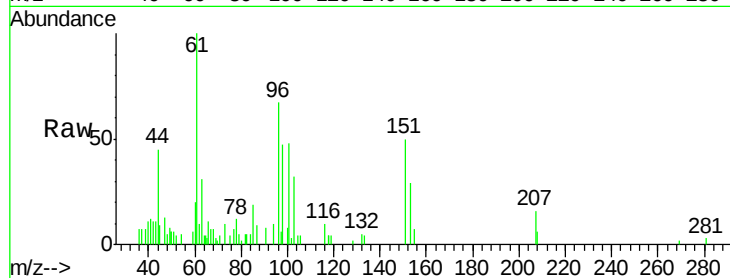
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3022
Ion	Ratio	Lower	Upper
96	100		
61	148.2	131.5	197.3
98	69.5	55.1	82.7

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#14

Allyl chloride

Concen: 0.946 ug/l

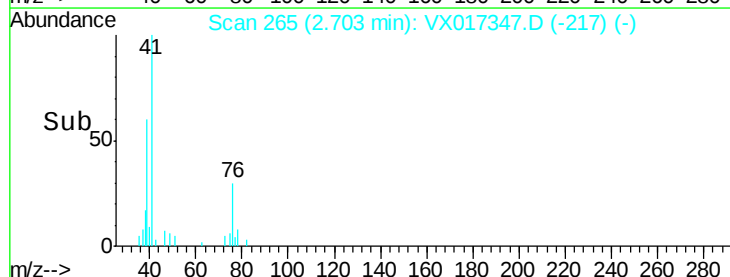
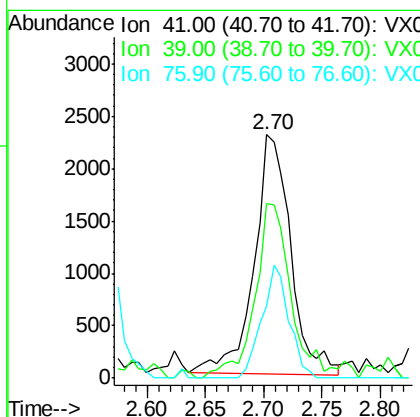
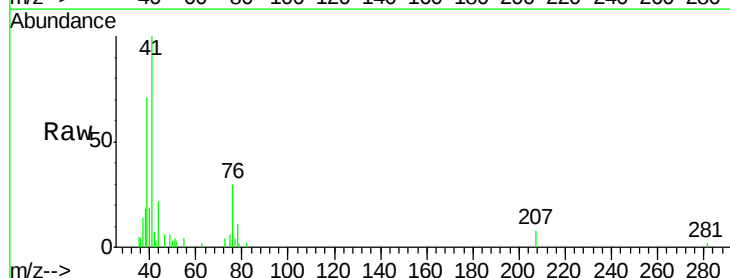
RT: 2.70 min Scan# 265

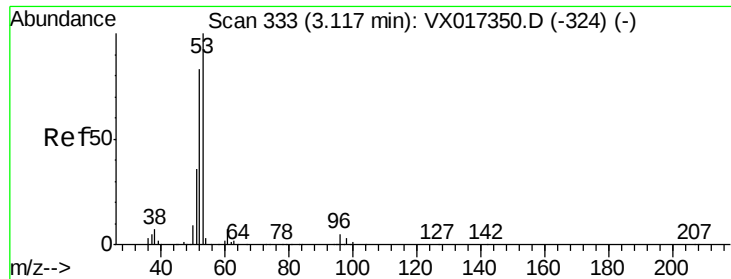
Delta R.T. -0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	41	Resp:	5035
Ion	Ratio	Lower	Upper
41	100		
39	71.4	53.0	79.4
76	34.7	28.2	42.2





#15

Acrylonitrile

Concen: 4.576 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

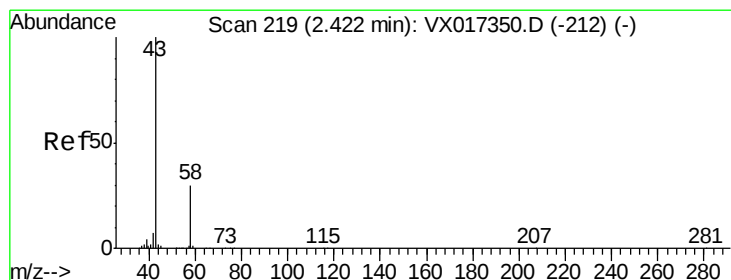
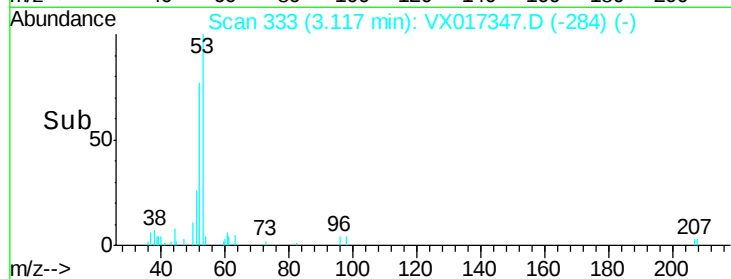
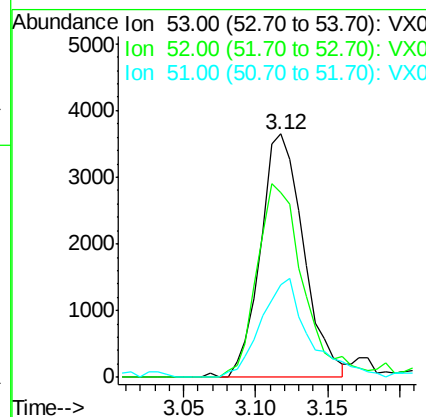
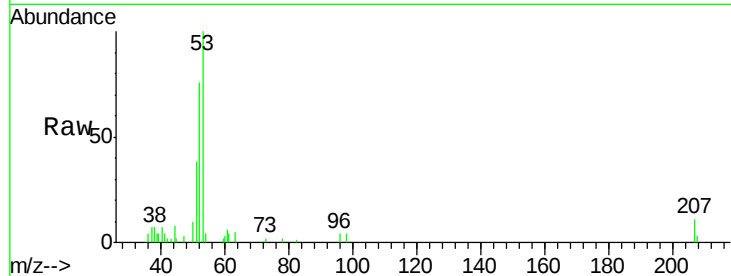
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	7570
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.8	98.6
51	45.1	29.2	43.8#

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#16

Acetone

Concen: 5.932 ug/l

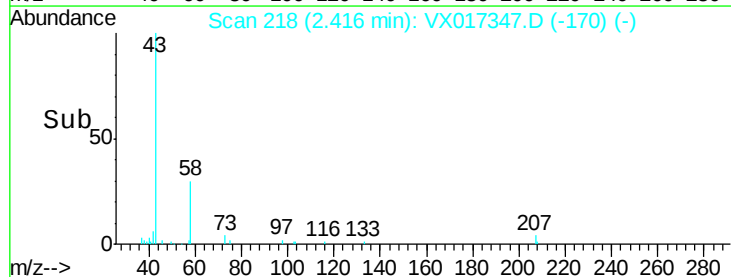
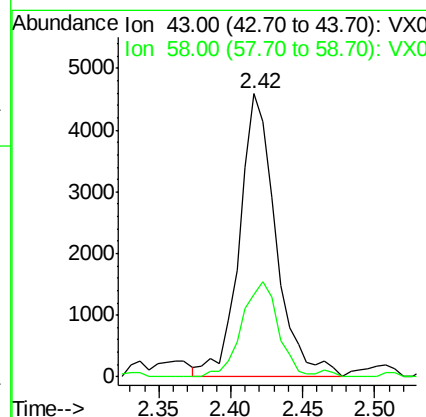
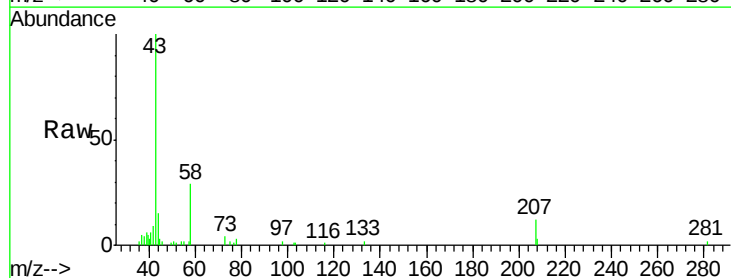
RT: 2.42 min Scan# 218

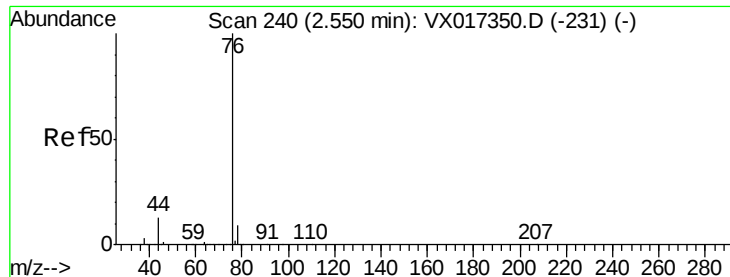
Delta R.T. -0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	43	Resp:	8048
Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.2	36.2





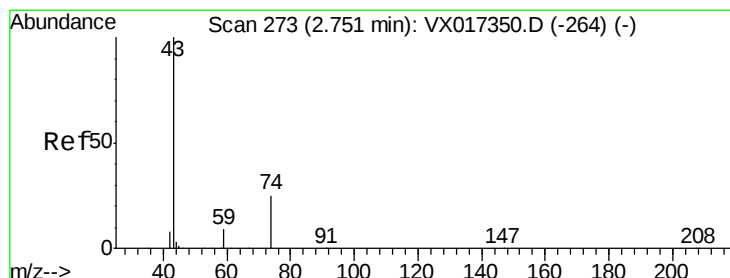
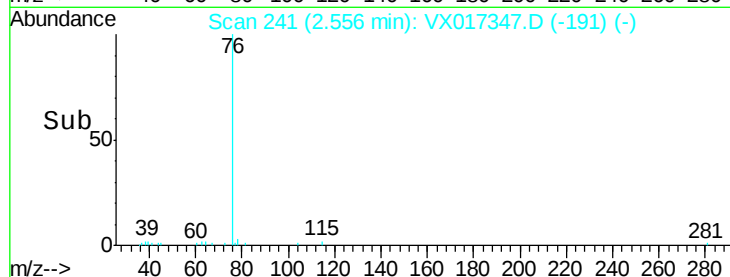
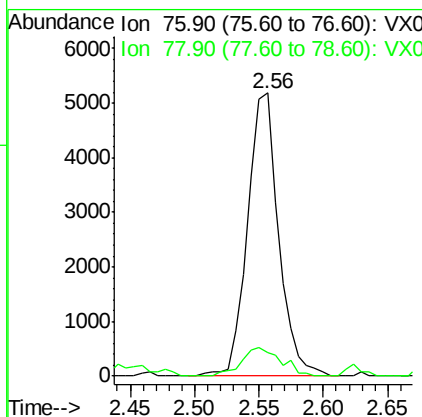
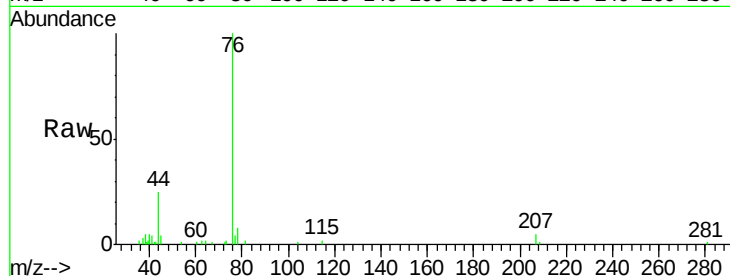
#17
Carbon Disulfide
Concen: 0.967 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.3	10.9

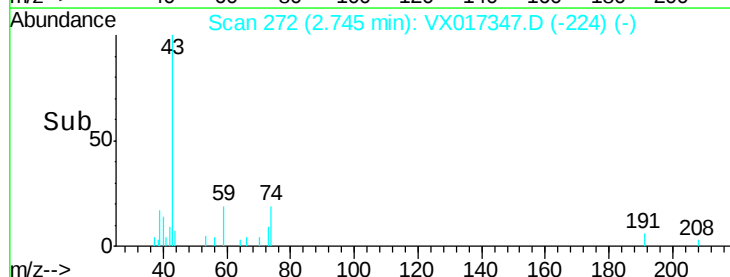
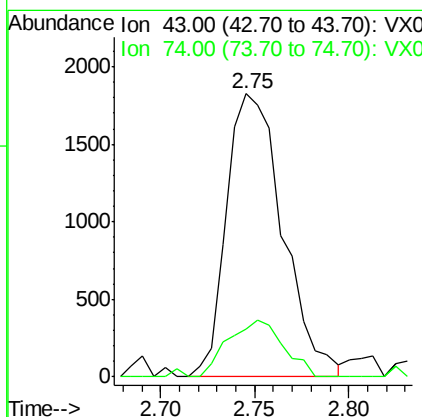
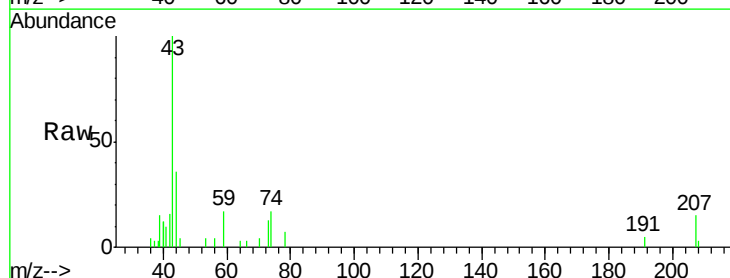
Manual Integrations
APPROVED

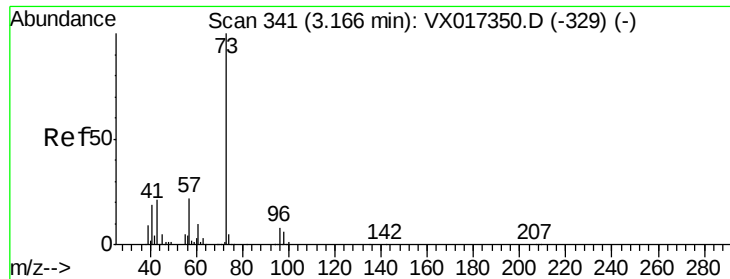
MMDadoda
7/14/2020 11:35:43 AM



#18
Methyl Acetate
Concen: 1.077 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	19.4	29.2





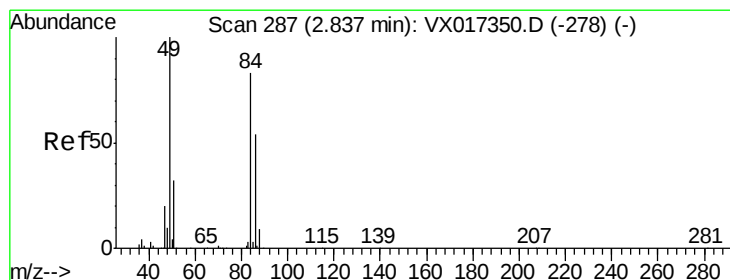
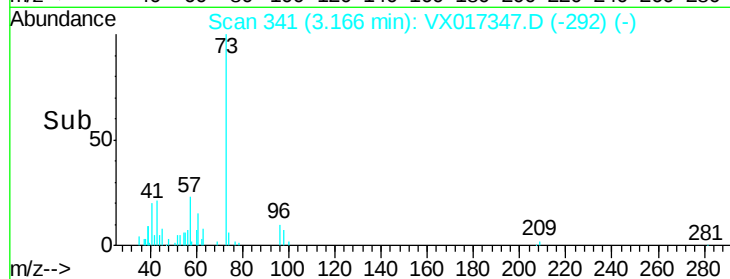
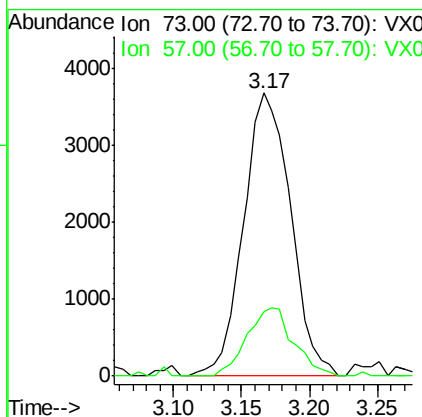
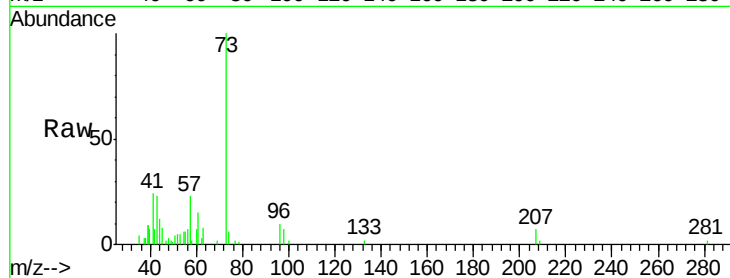
#19
Methvl tert-butvl Ether
Concen: 0.917 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.5	26.3

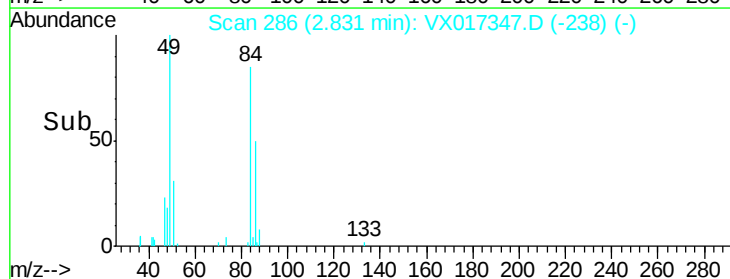
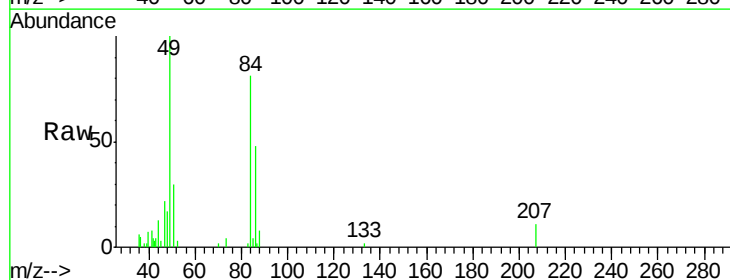
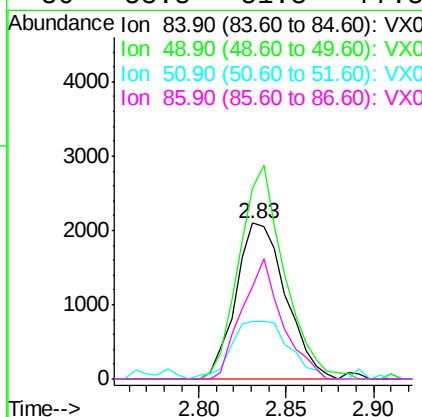
Manual Integrations
APPROVED

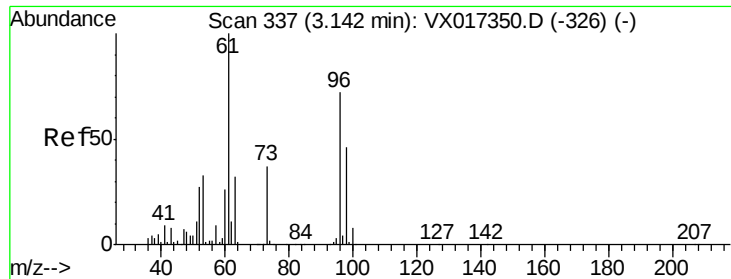
MMDadoda
7/14/2020 11:35:43 AM



#20
Methylene Chloride
Concen: 1.209 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	95.8	143.8
51	37.0	31.0	46.4
86	58.8	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 1.075 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

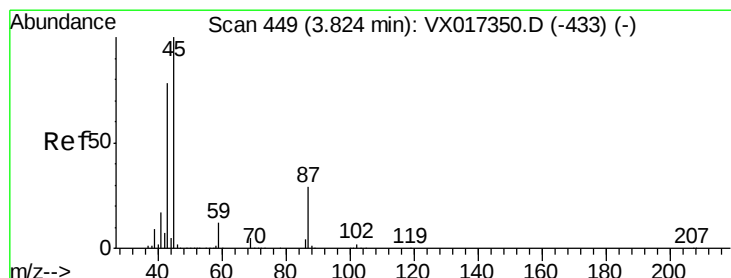
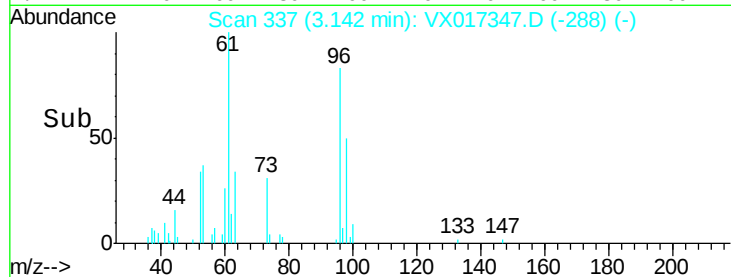
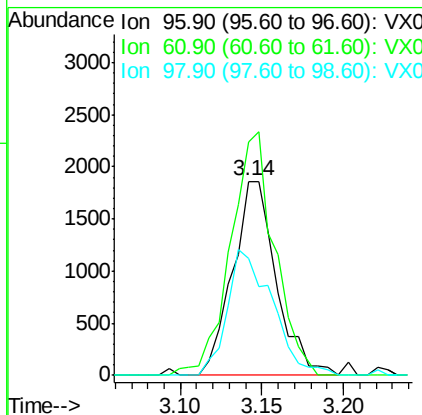
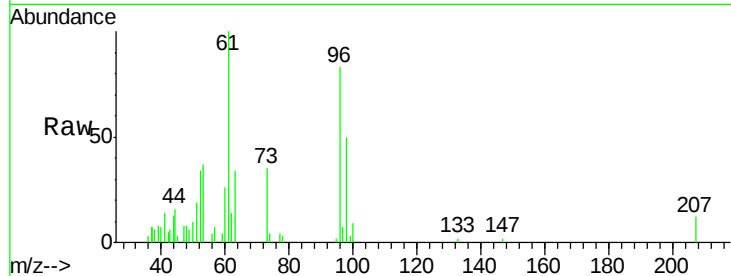
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3474
Ion	Ratio	Lower	Upper
96	100		
61	120.5	111.1	166.7
98	60.3	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#22

Diisopropyl ether

Concen: 0.899 ug/l

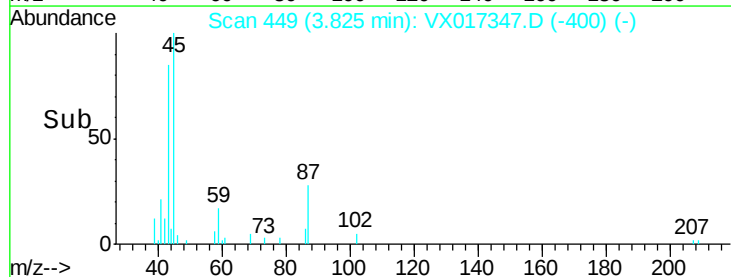
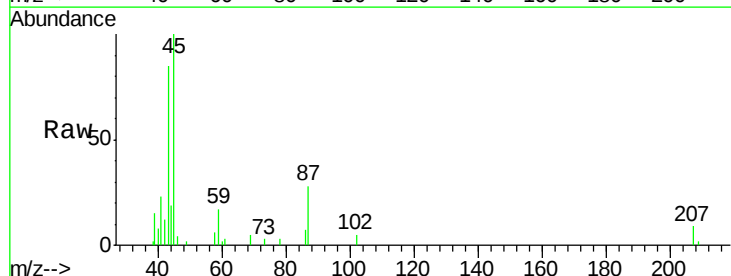
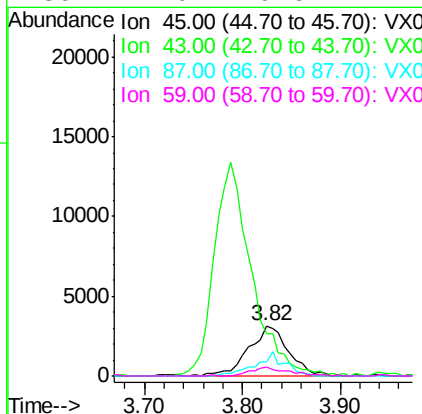
RT: 3.82 min Scan# 449

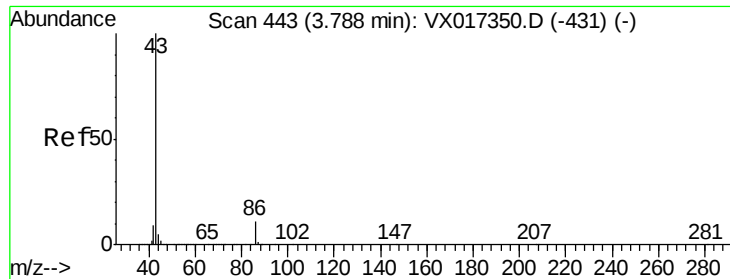
Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	45	Resp:	8847
Ion	Ratio	Lower	Upper
45	100		
43	81.8	62.2	93.2
87	28.0	23.0	34.6
59	17.0	9.6	14.4#





#23

Vinyl Acetate

Concen: 4.196 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 35621

Ion Ratio Lower Upper

43 100

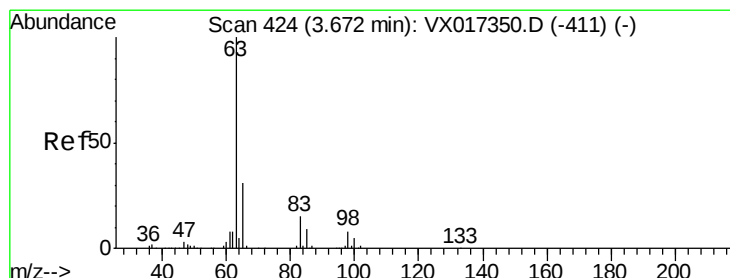
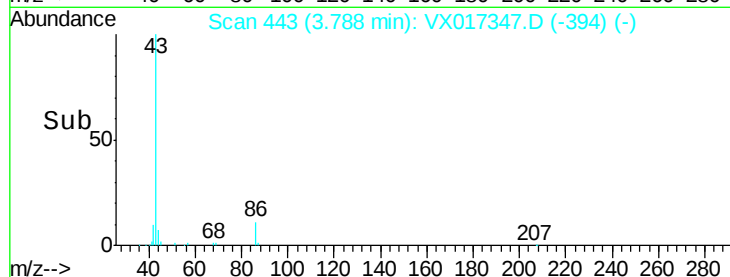
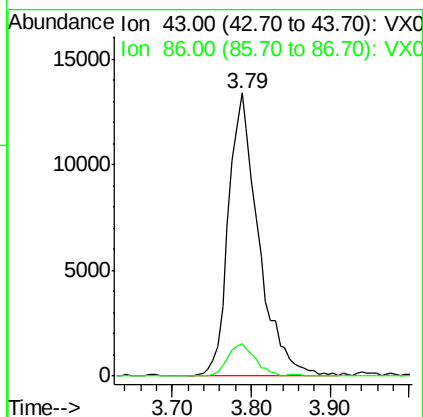
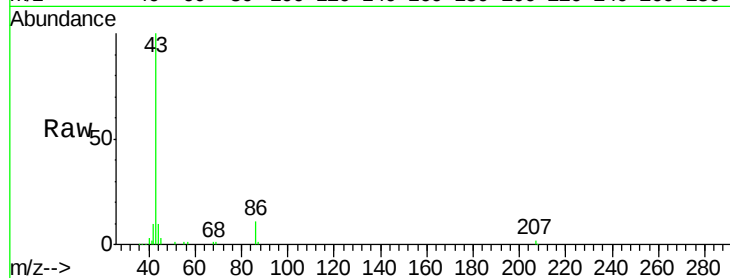
86 11.3 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:43 AM



#24

1,1-Dichloroethane

Concen: 0.981 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

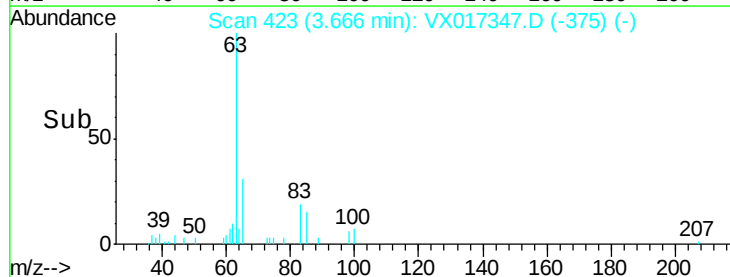
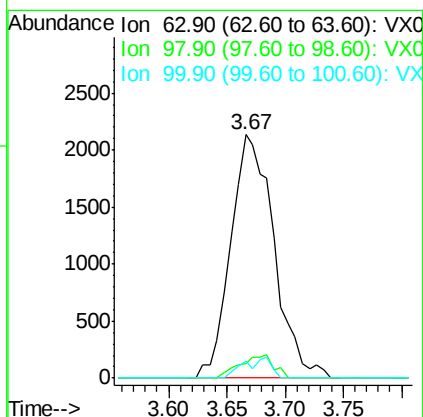
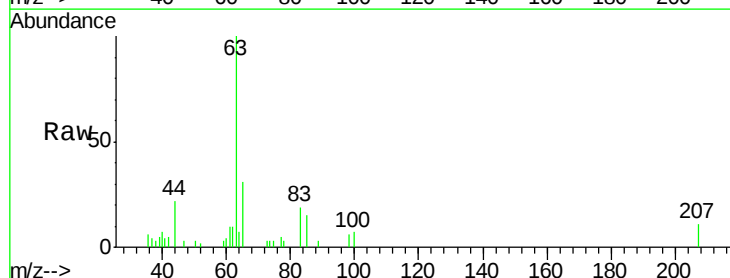
Tgt Ion: 63 Resp: 5519

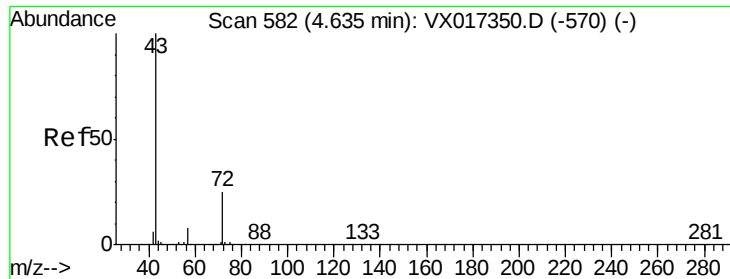
Ion Ratio Lower Upper

63 100

98 6.1 3.9 11.5

100 6.8 2.5 7.5





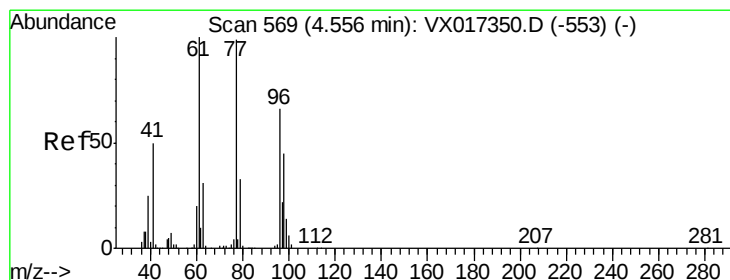
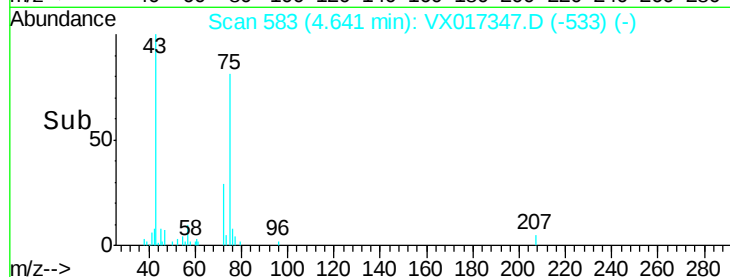
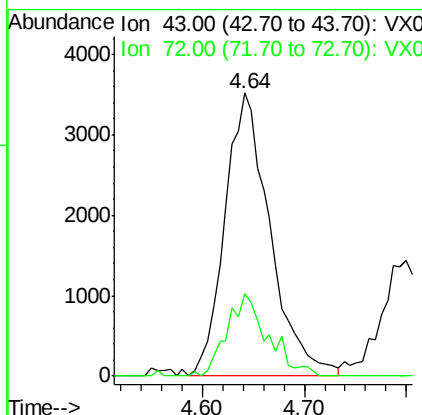
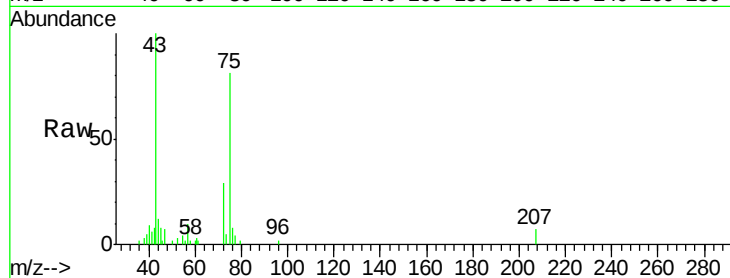
#25
2-Butanone
Concen: 4.832 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	10847
Ion Ratio	100	Lower	Upper
72	29.2	20.4	30.6

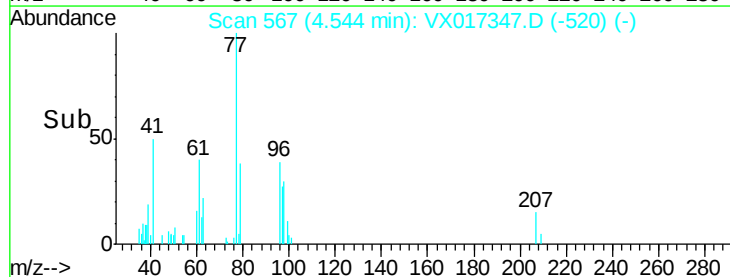
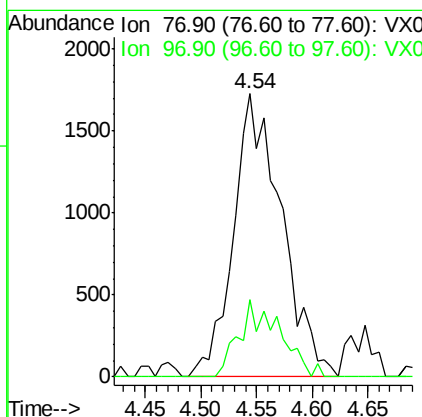
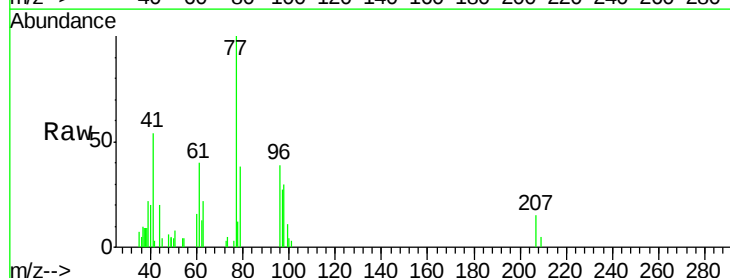
Manual Integrations
APPROVED

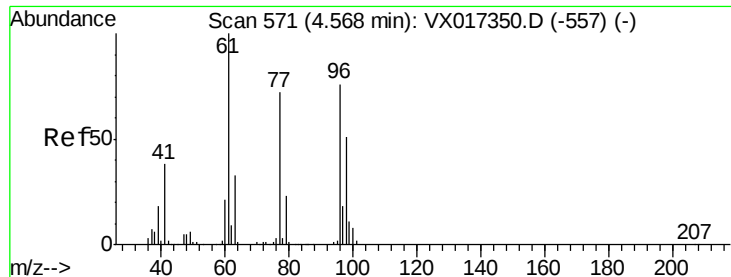
MMDadoda
7/14/2020 11:35:43 AM



#26
2,2-Dichloropropane
Concen: 1.024 ug/l
RT: 4.54 min Scan# 567
Delta R.T. -0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	77	Resp	5169
Ion Ratio	100	Lower	Upper
97	23.2	11.1	33.3





#27

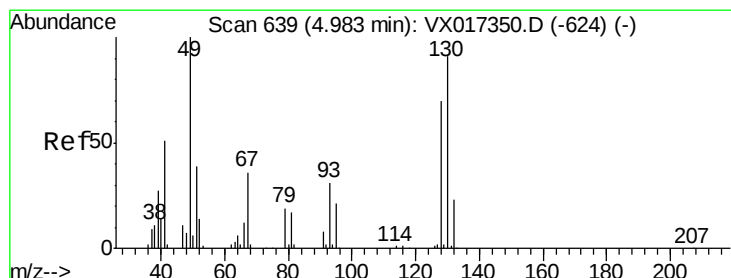
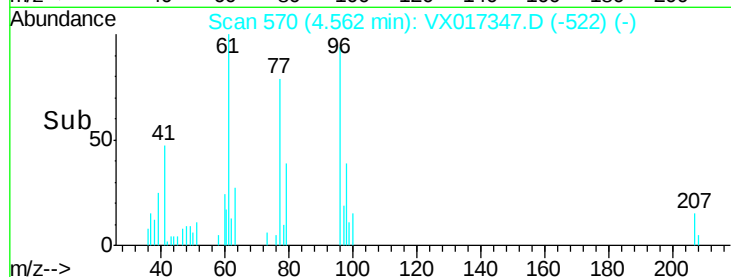
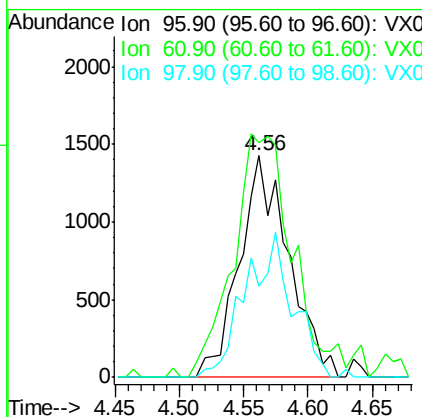
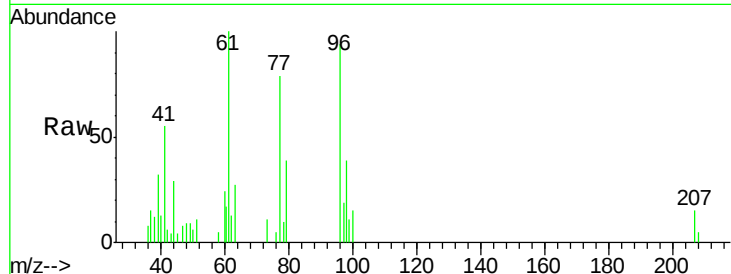
cis-1,2-Dichloroethene
 Concen: 1.041 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.5	0.0	281.2	
98	62.6	0.0	131.4	

Manual Integrations
 APPROVED

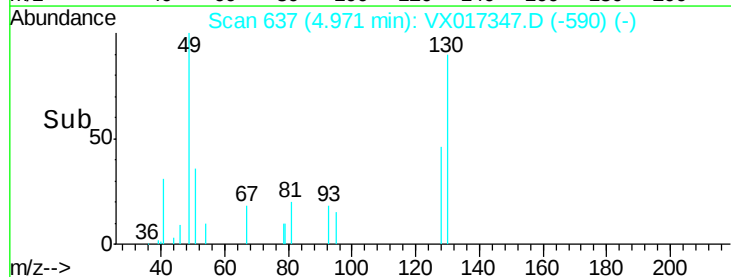
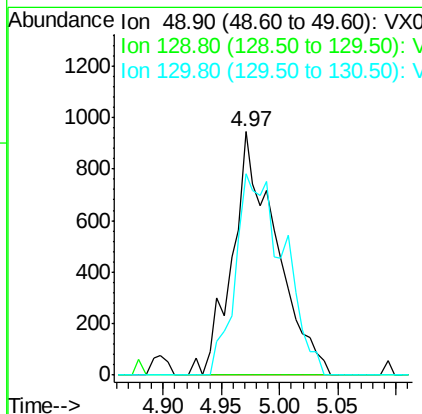
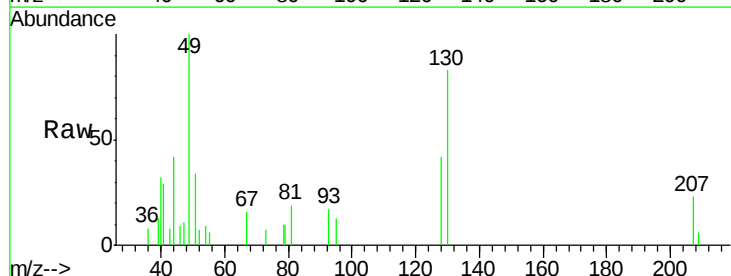
MMDadoda
 7/14/2020 11:35:43 AM

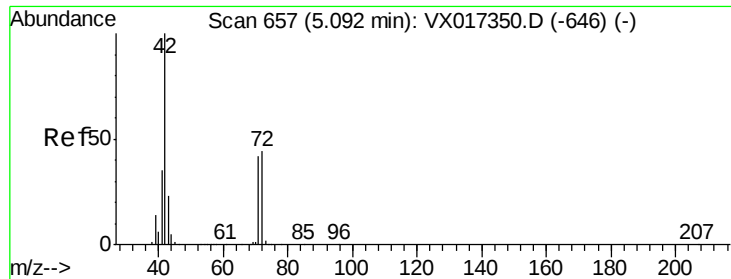


#28

Bromochloromethane
 Concen: 0.911 ug/l
 RT: 4.97 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.8	
130	90.5	71.1	106.7	





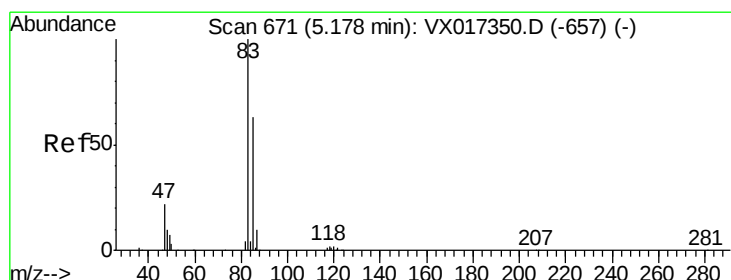
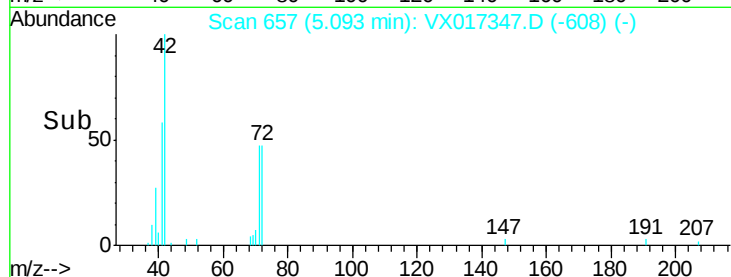
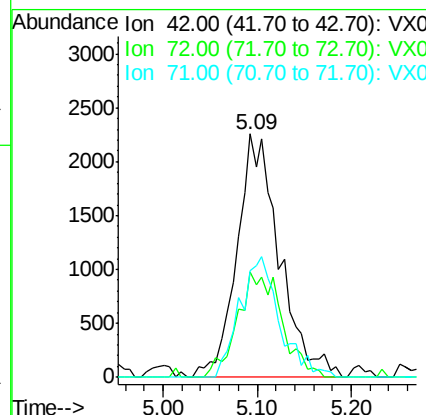
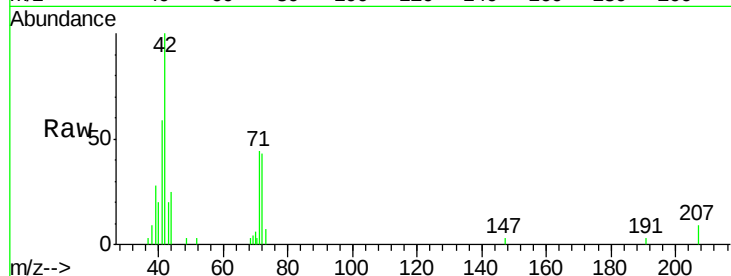
#29
Tetrahydrofuran
Concen: 4.821 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	42	Resp:	7119
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.2	55.8
71	46.6	34.4	51.6

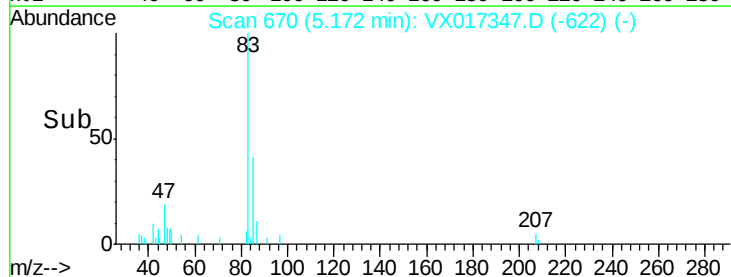
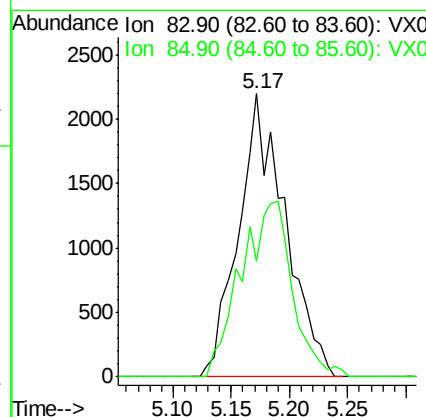
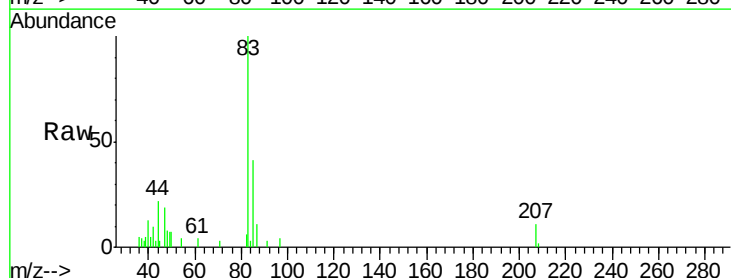
Manual Integrations
APPROVED

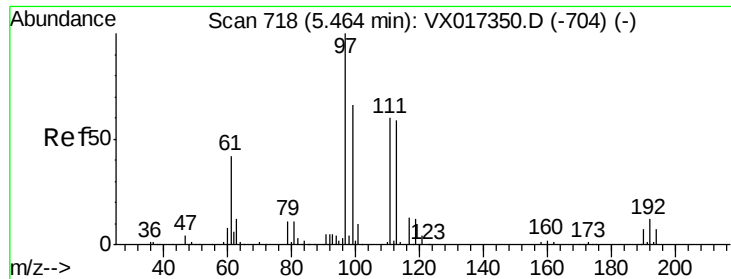
MMDadoda
7/14/2020 11:35:43 AM



#30
Chloroform
Concen: 1.051 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion:	83	Resp:	6108
Ion	Ratio	Lower	Upper
83	100		
85	41.0	50.2	75.4#





#32

1,1,1-Trichloroethane

Concen: 1.001 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

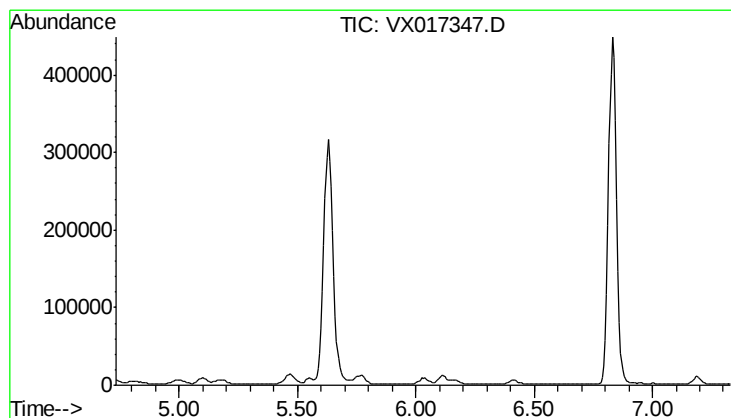
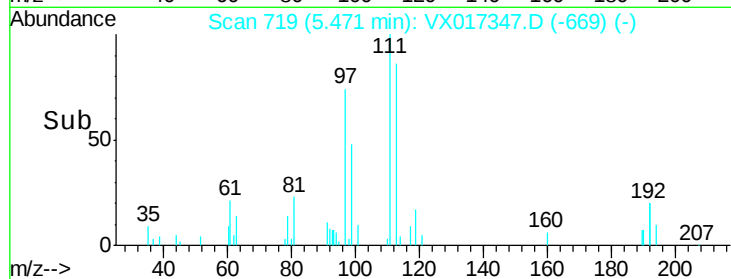
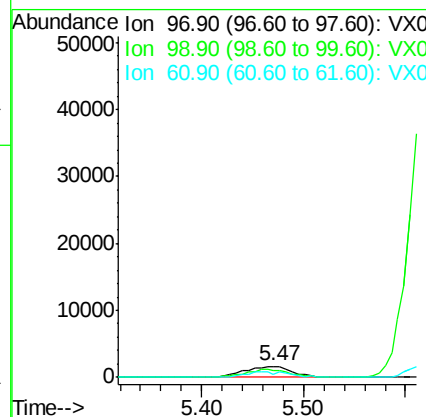
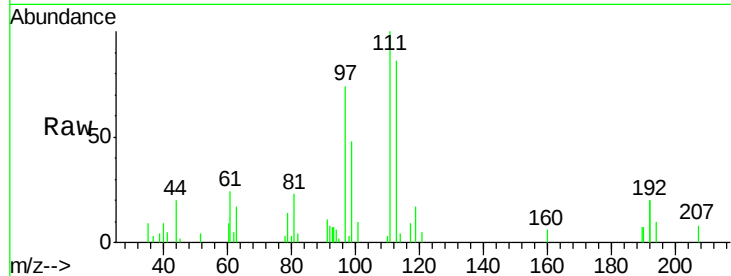
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	5382
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.2	76.8#
61	46.1	32.7	49.1

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.03 min

Lab File: VX017347.D

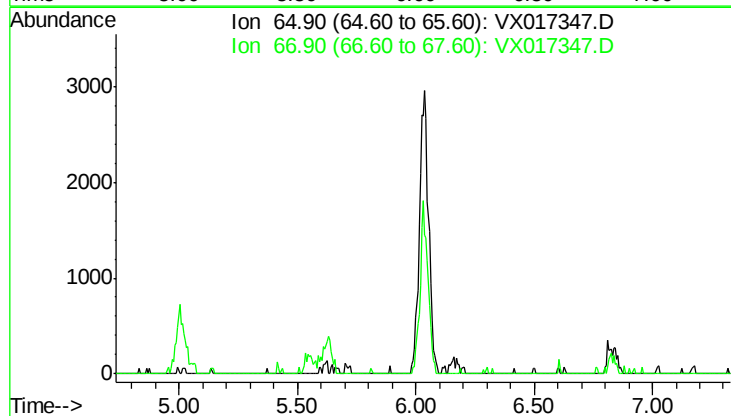
Acq: 13 Jul 2020 10:16

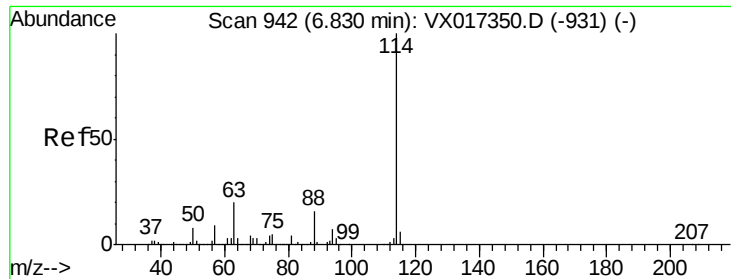
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

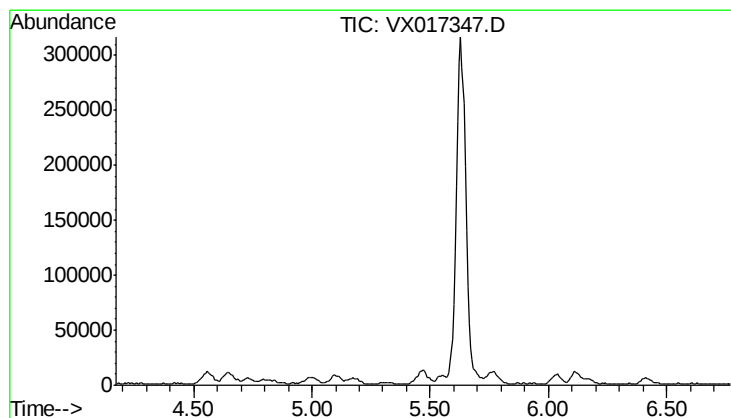
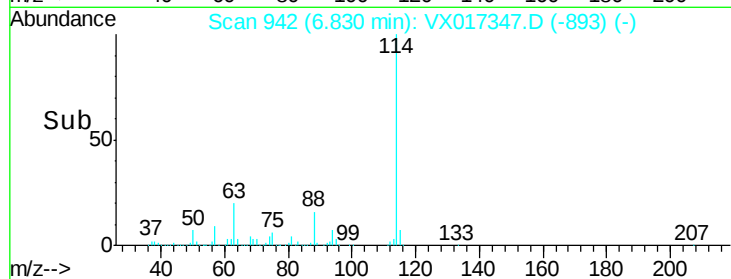
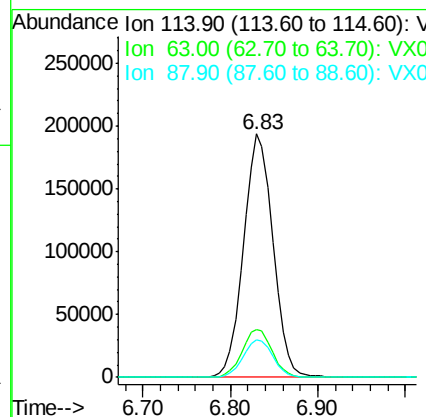
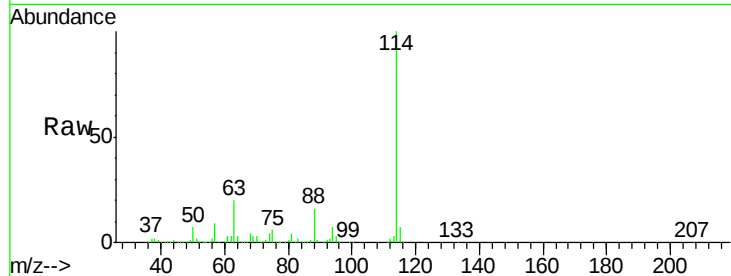
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	453241
Ion Ratio	Lower	Upper	
114	100		
63	19.8	0.0	40.0
88	15.7	0.0	32.8

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#35

Dibromofluoromethane

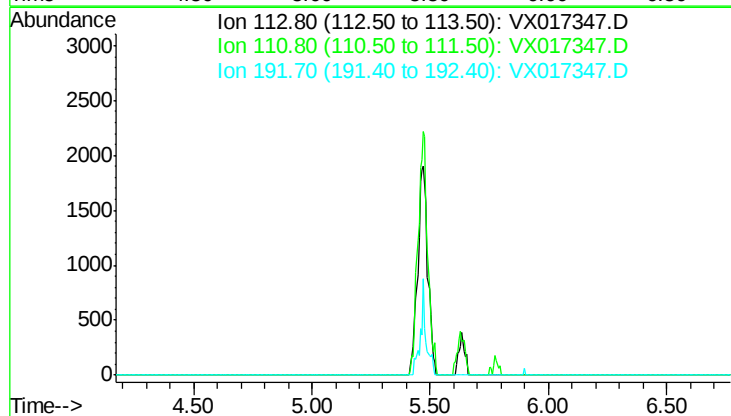
Concen: 0.000 ug/l

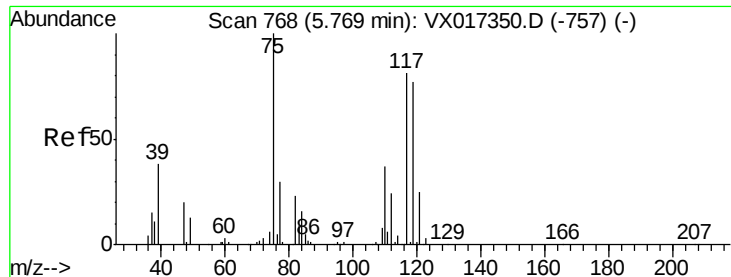
Expected RT: 5.47 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	103.0
192	21.5





#36

1,1-Dichloropropene

Concen: 1.014 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

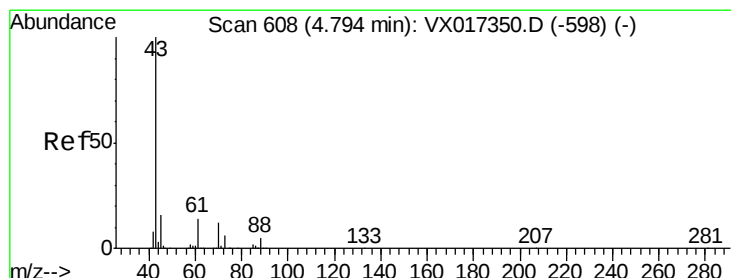
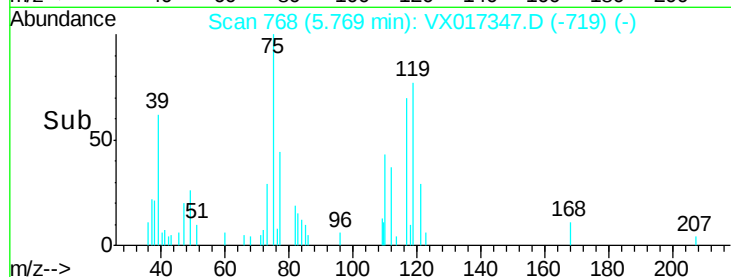
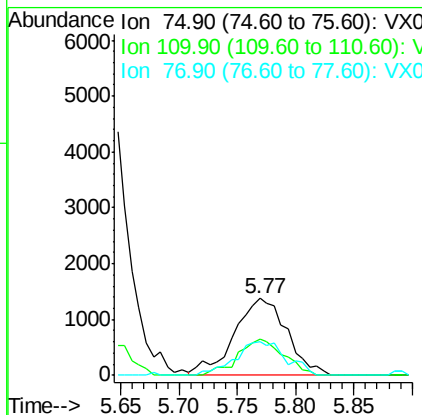
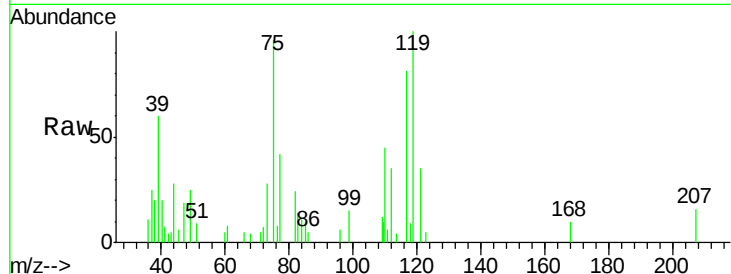
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	4347
Ion	Ratio	Lower	Upper
75	100		
110	40.6	18.6	55.8
77	42.0	24.9	37.3#

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#37

Ethyl Acetate

Concen: 1.132 ug/l

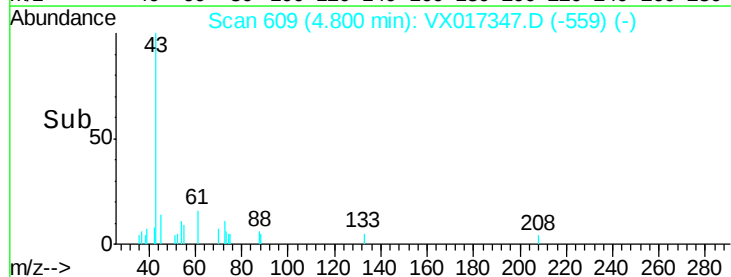
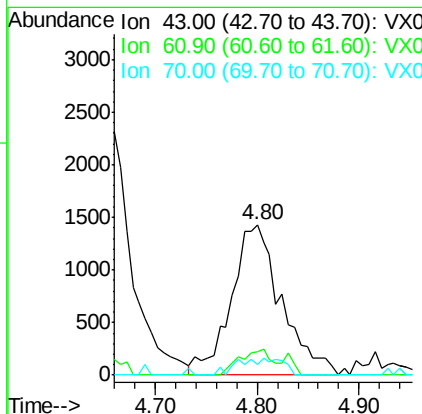
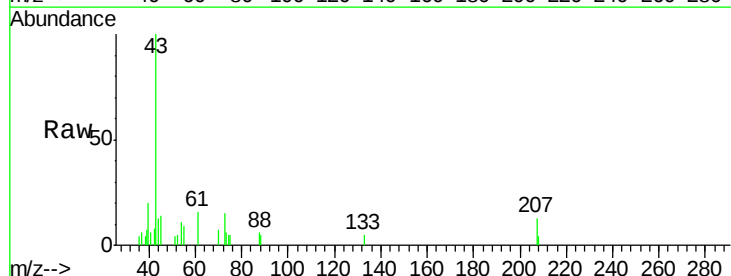
RT: 4.80 min Scan# 609

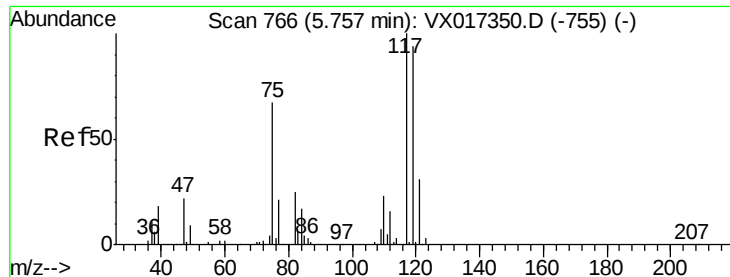
Delta R.T. 0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	43	Resp:	4893
Ion	Ratio	Lower	Upper
43	100		
61	10.8	10.7	16.1
70	0.0	9.0	13.6#





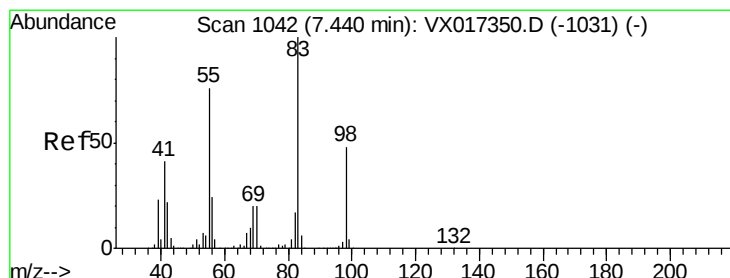
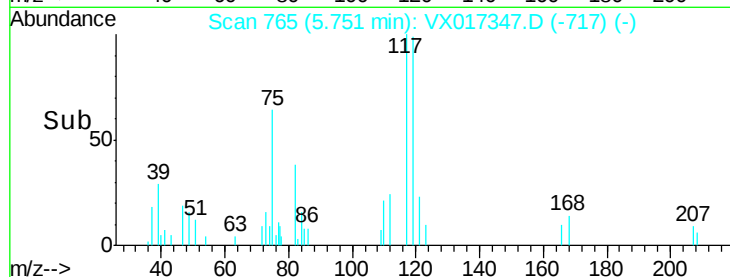
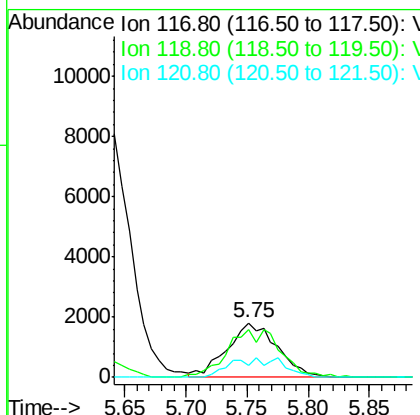
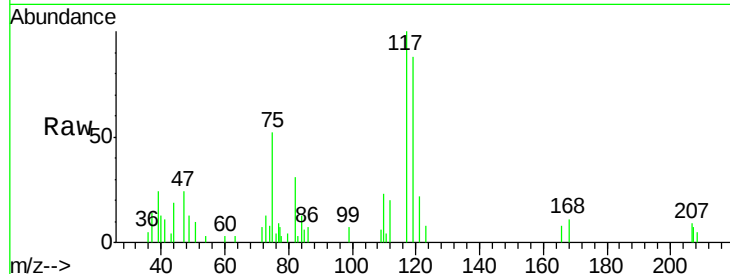
#38
Carbon Tetrachloride
Concen: 1.076 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.3	74.7	112.1
121	22.0	24.5	36.7#

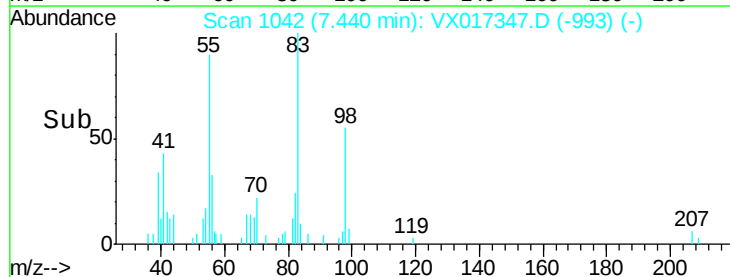
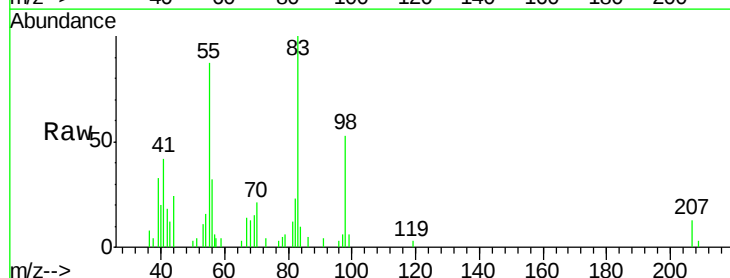
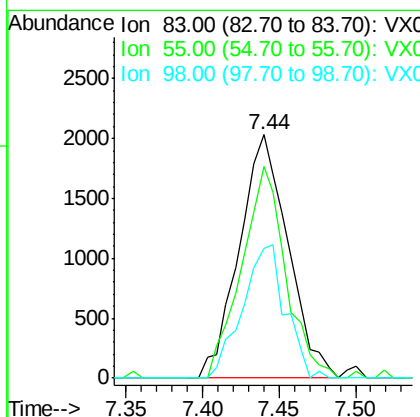
Manual Integrations
APPROVED

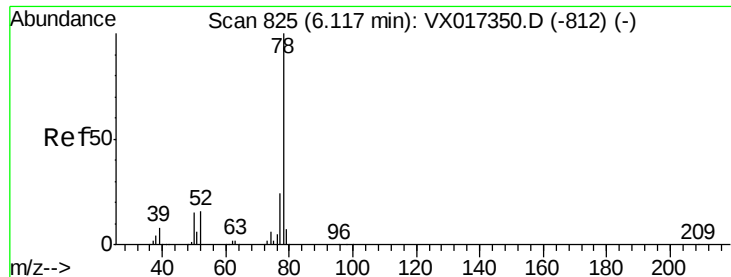
MMDadoda
7/14/2020 11:35:43 AM



#39
Methylcyclohexane
Concen: 0.949 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.1	61.2	91.8
98	53.0	38.1	57.1





#40

Benzene

Concen: 0.984 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 12356

Ion Ratio Lower Upper

78 100

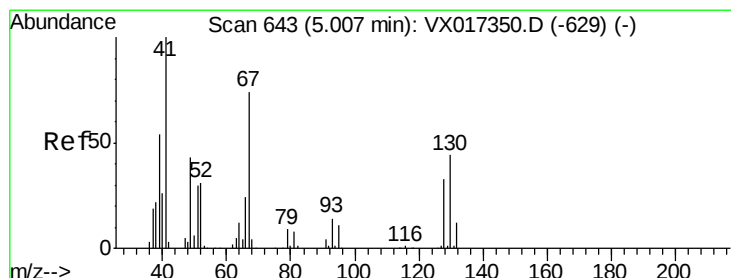
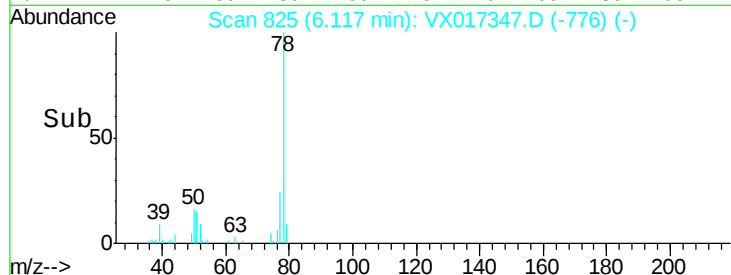
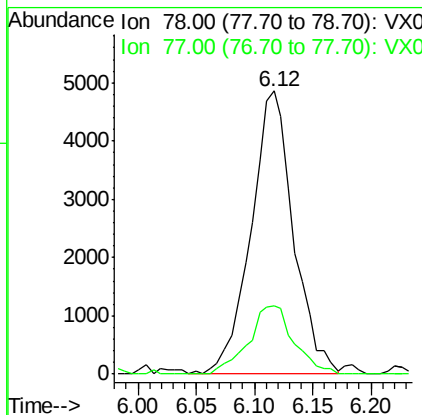
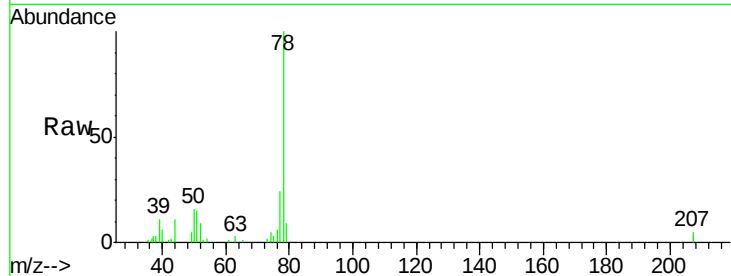
77 24.1 18.9 28.3

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:43 AM



#41

Methacrylonitrile

Concen: 0.942 ug/l m

RT: 5.01 min Scan# 644

Delta R.T. 0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion: 41 Resp: 2292

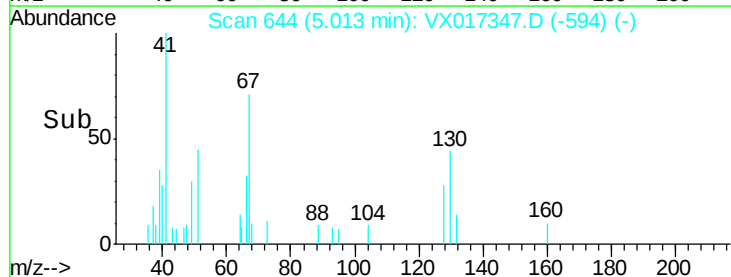
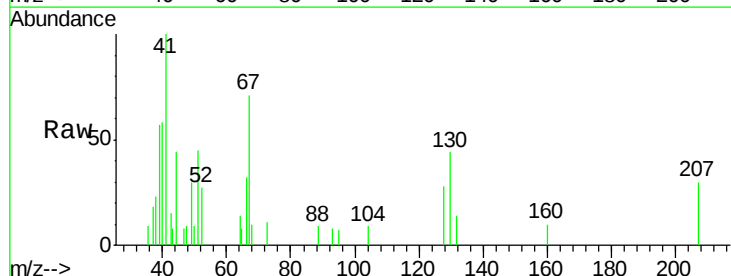
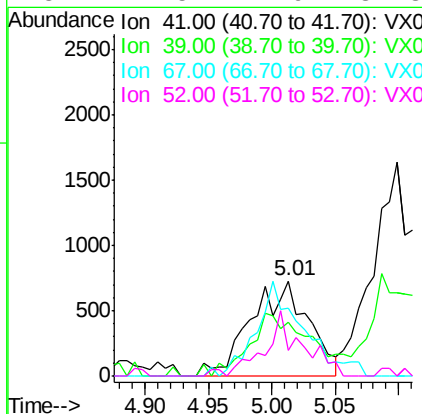
Ion Ratio Lower Upper

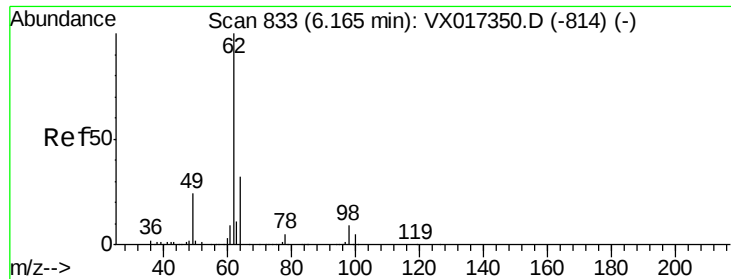
41 100

39 66.9 43.8 65.8#

67 81.9 58.7 88.1

52 44.5 24.9 37.3#





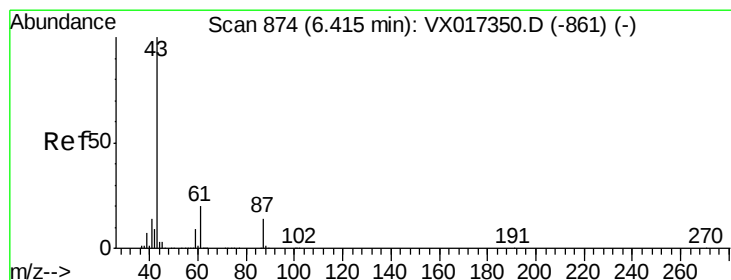
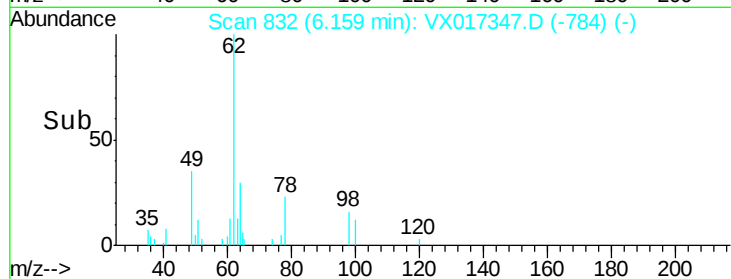
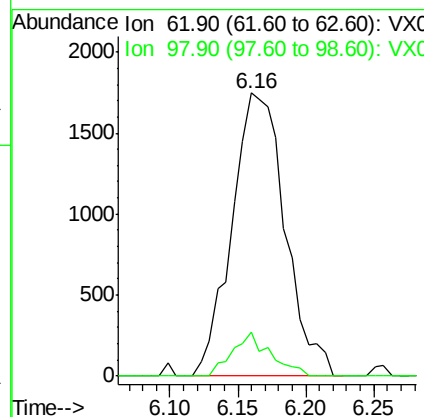
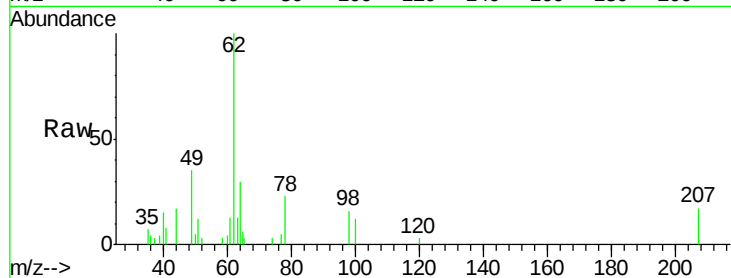
#42
 1,2-Dichloroethane
 Concen: 1.043 ug/l
 RT: 6.16 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	4782		
98	11.0	0.0	19.4	

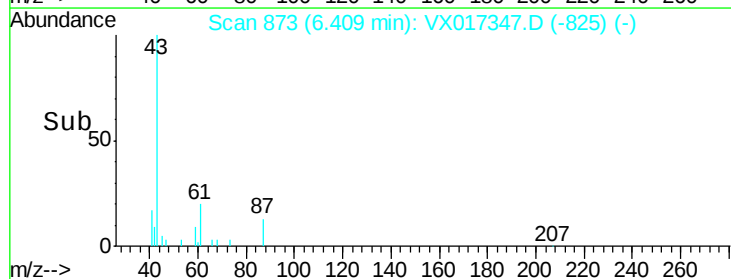
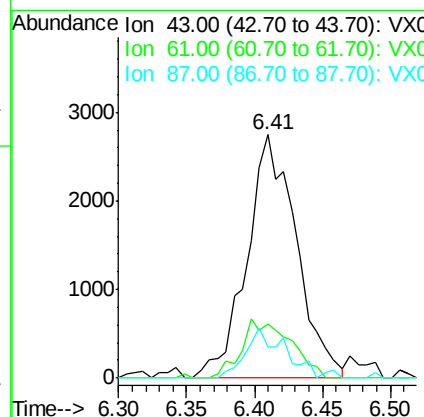
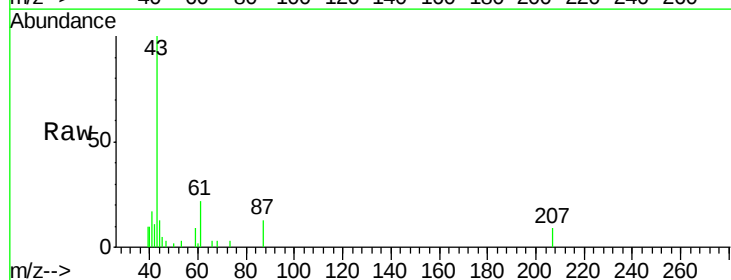
Manual Integrations
 APPROVED

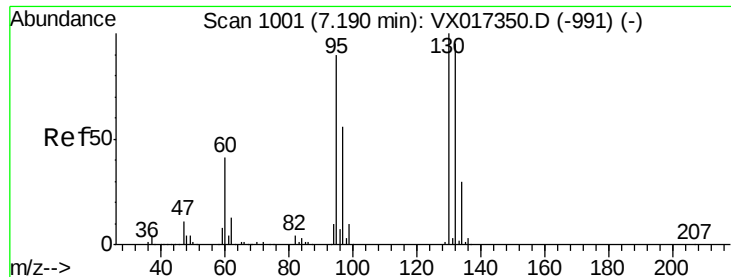
MMDadoda
 7/14/2020 11:35:43 AM



#43
 Isopropyl Acetate
 Concen: 0.970 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	6981		
61	23.9	16.4	24.6	
87	16.7	11.2	16.8	





#44

Trichloroethene

Concen: 0.988 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 3761

Ion Ratio Lower Upper

130 100

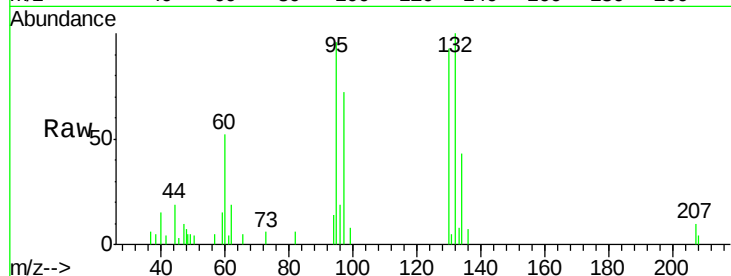
95 103.7 0.0 180.2

Manual Integrations

APPROVED

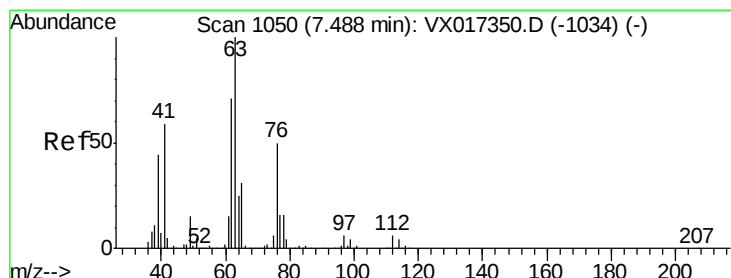
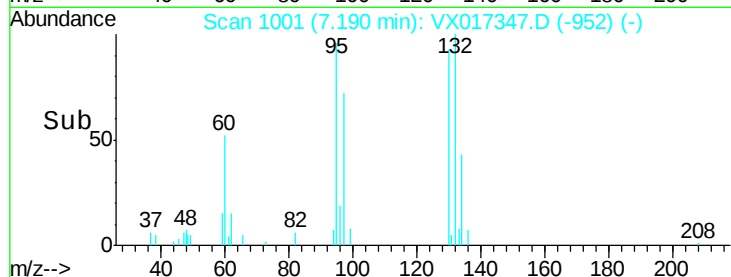
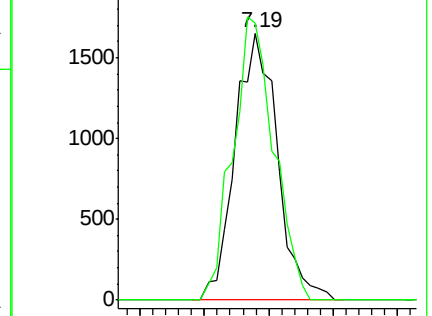
MMDadoda

7/14/2020 11:35:43 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.997 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017347.D

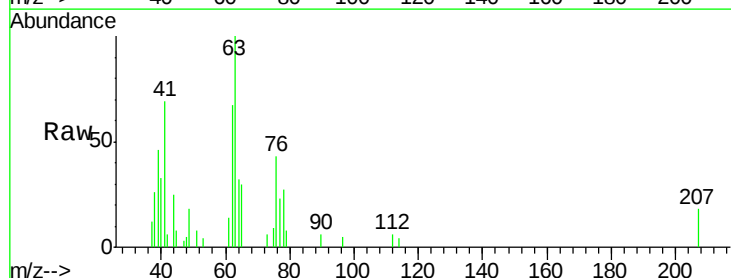
Acq: 13 Jul 2020 10:16

Tgt Ion: 63 Resp: 3213

Ion Ratio Lower Upper

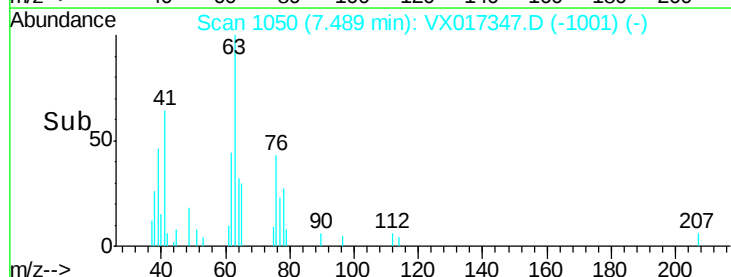
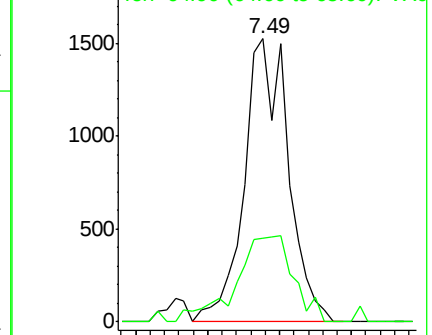
63 100

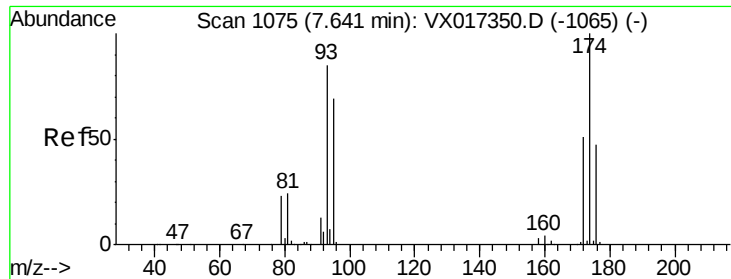
65 29.7 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





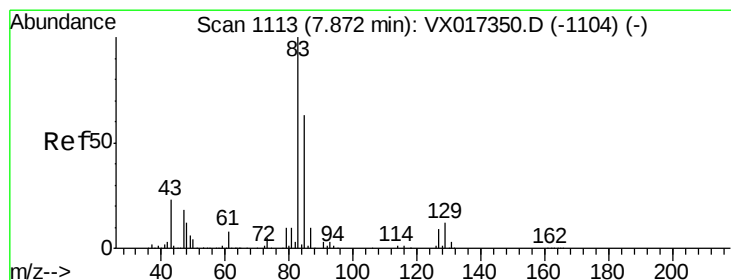
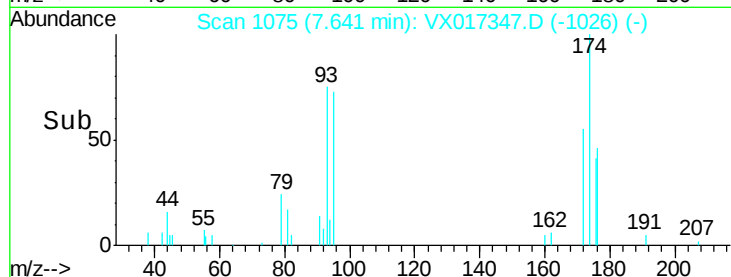
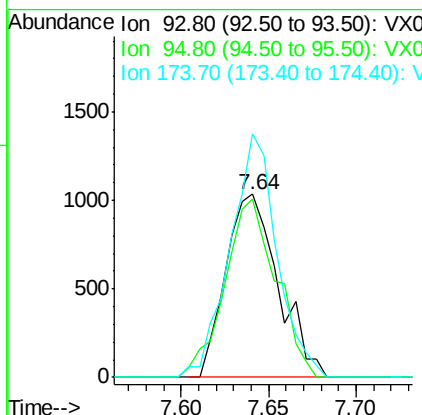
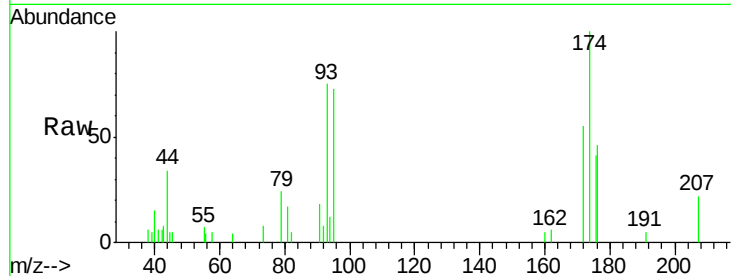
#46
Dibromomethane
Concen: 0.977 ug/l
RT: 7.64 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	95.1	65.4	98.2
174	118.7	91.2	136.8

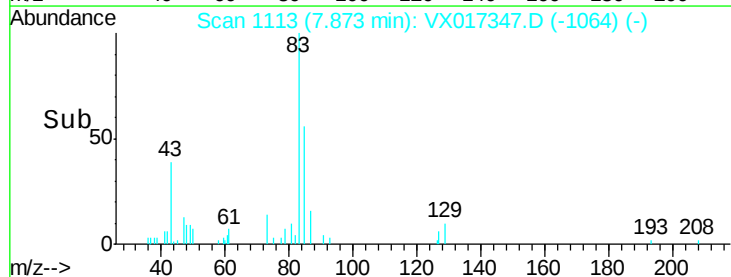
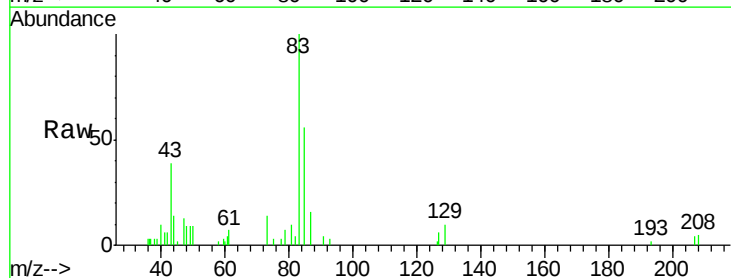
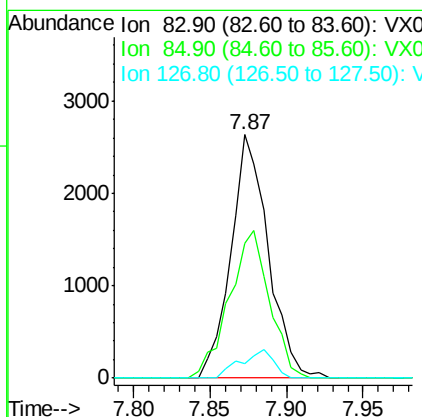
Manual Integrations
APPROVED

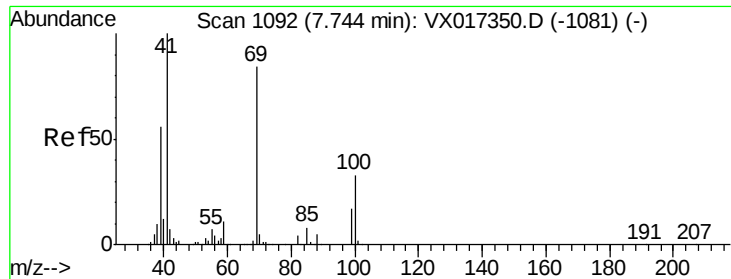
MMDadoda
7/14/2020 11:35:43 AM



#47
Bromodichloromethane
Concen: 0.976 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.5	50.2	75.4
127	6.1	7.1	10.7#





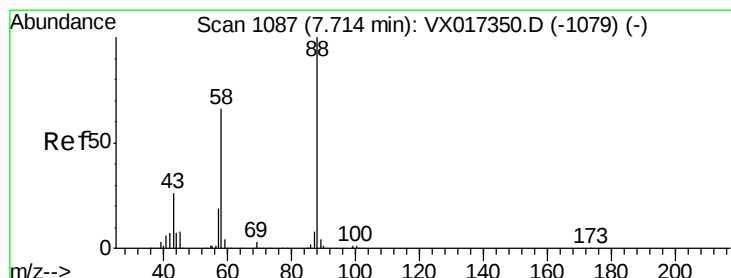
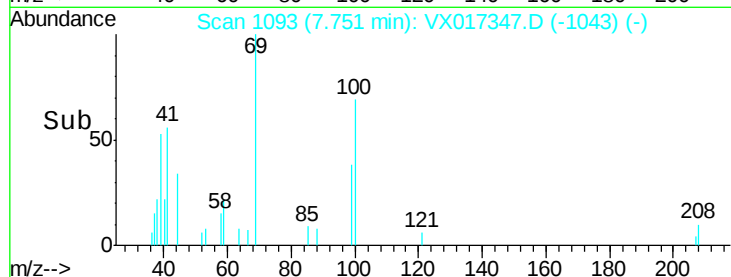
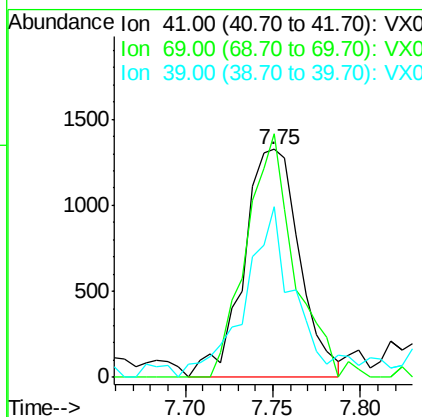
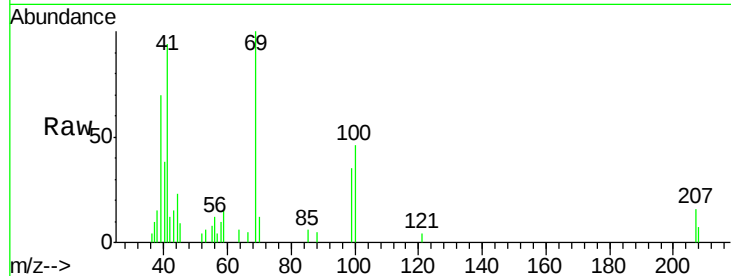
#48
Methvl methacrylate
Concen: 0.860 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	92.5	67.8	101.6
39	63.4	45.1	67.7

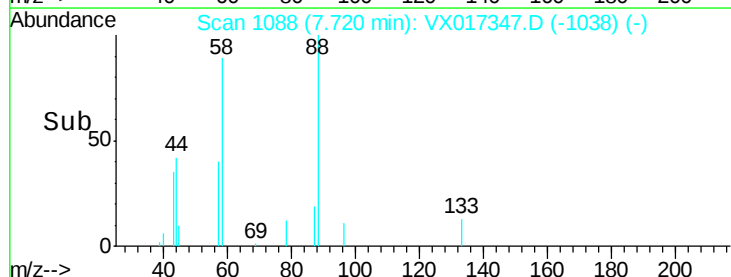
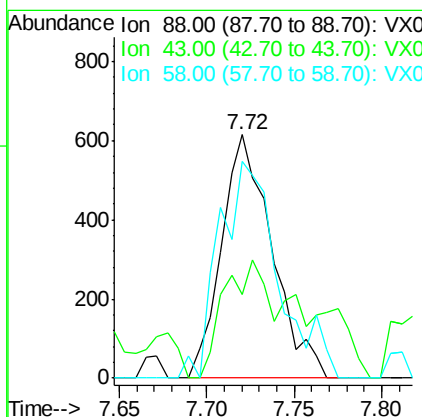
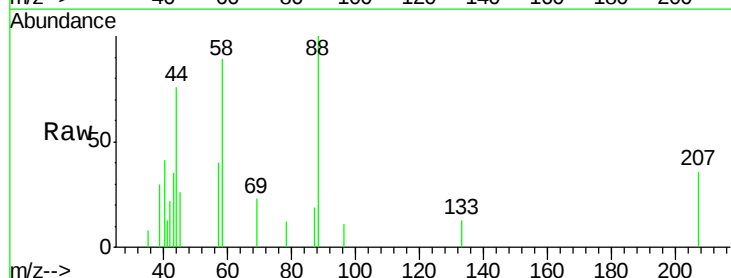
Manual Integrations
APPROVED

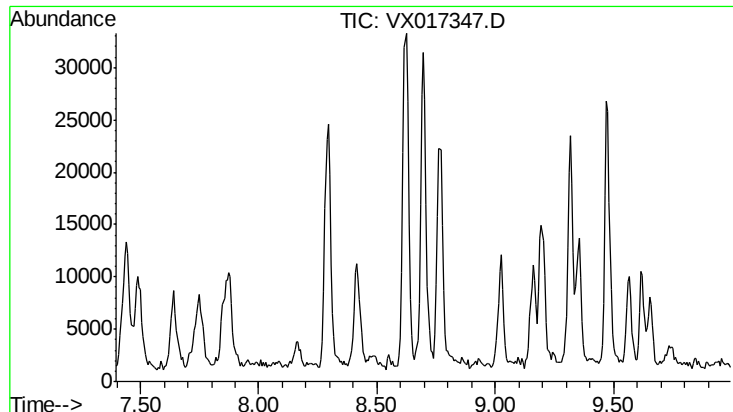
MMDadoda
7/14/2020 11:35:43 AM



#49
1,4-Dioxane
Concen: 16.086 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.4	25.6	38.4#
58	104.5	53.9	80.9#





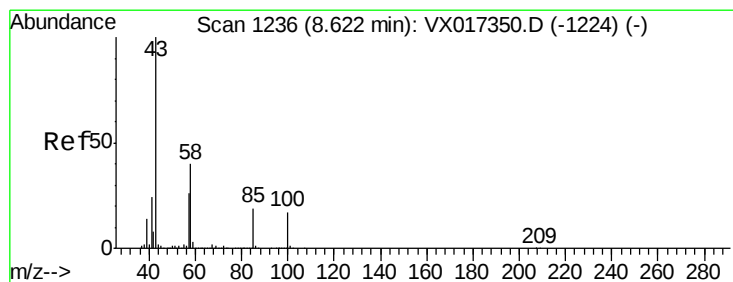
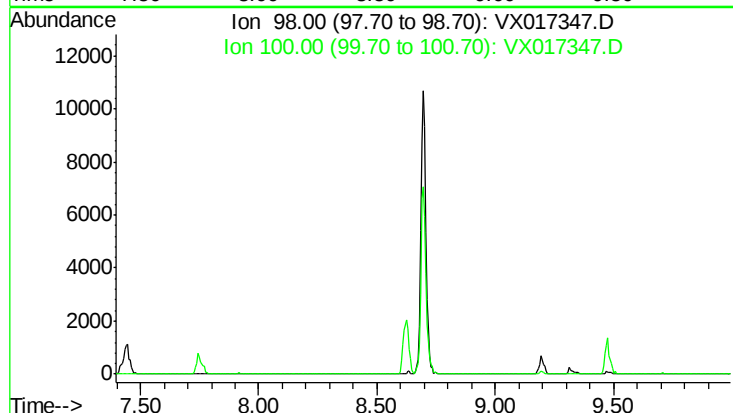
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.70 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 66.8

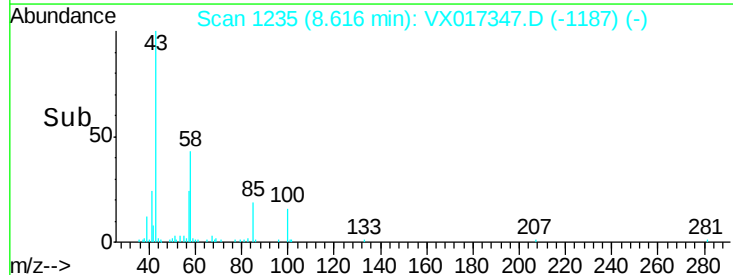
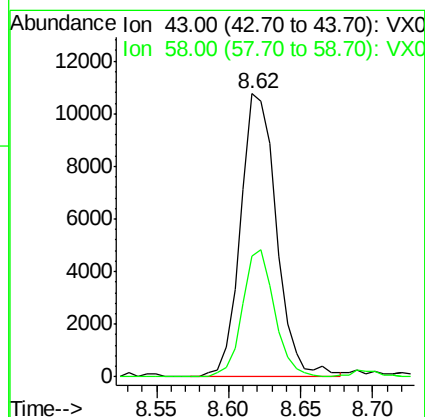
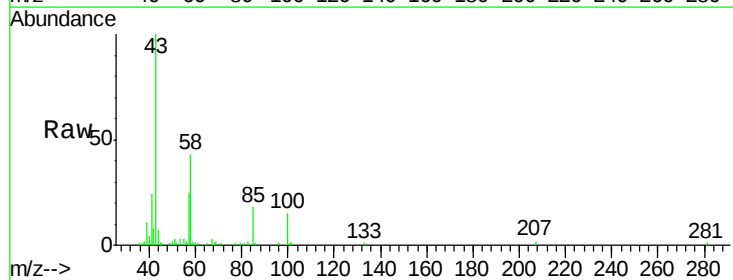
Manual Integrations
APPROVED

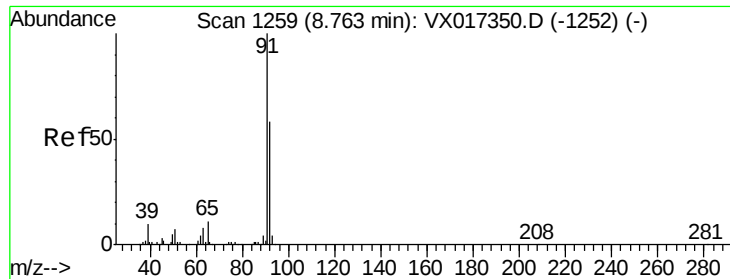
MMDadoda
7/14/2020 11:35:43 AM



#51
4-Methyl-2-Pentanone
Concen: 4.334 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion: 43 Resp: 18629
Ion Ratio Lower Upper
43 100
58 40.0 32.2 48.2





#52

Toluene

Concen: 0.927 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 7299

Ion Ratio Lower Upper

92 100

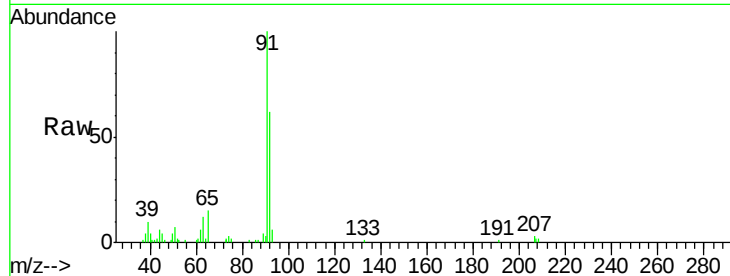
91 169.3 136.7 205.1

Manual Integrations

APPROVED

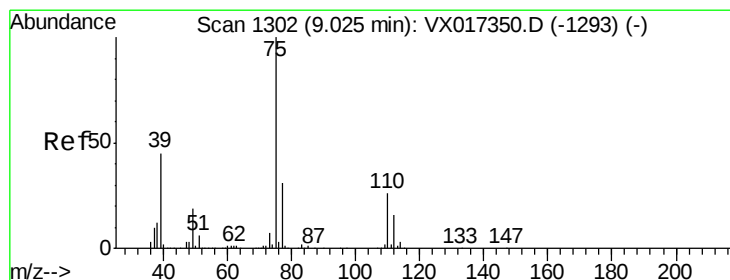
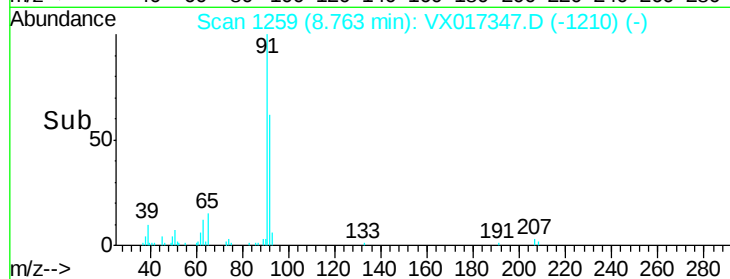
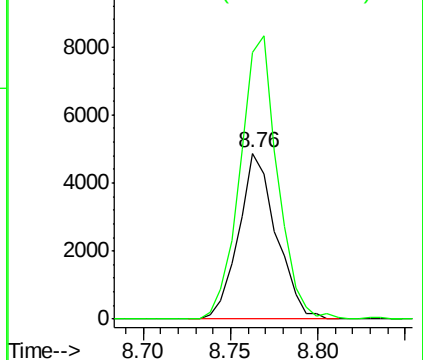
MMDadoda

7/14/2020 11:35:43 AM



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.867 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017347.D

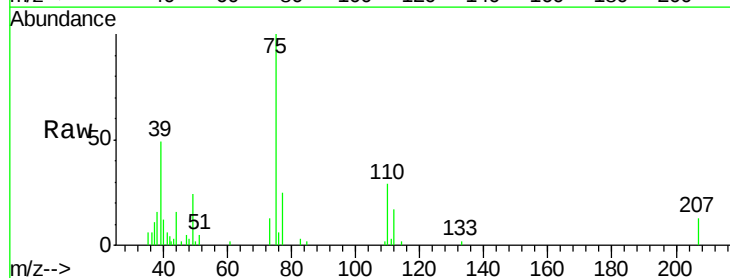
Acq: 13 Jul 2020 10:16

Tgt Ion: 75 Resp: 4373

Ion Ratio Lower Upper

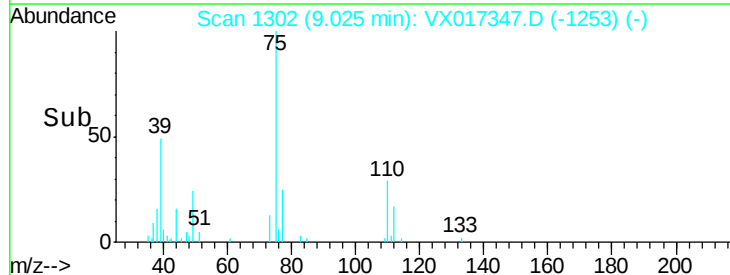
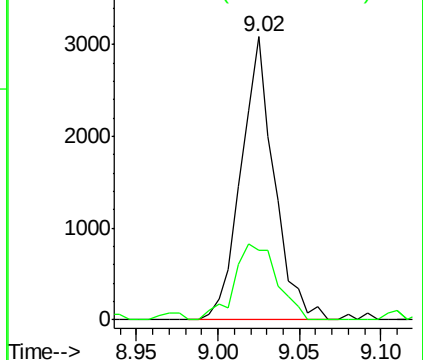
75 100

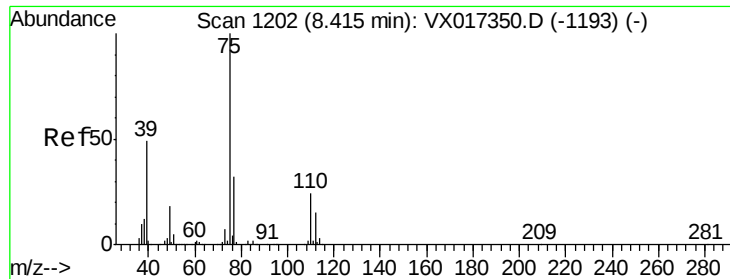
77 24.7 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

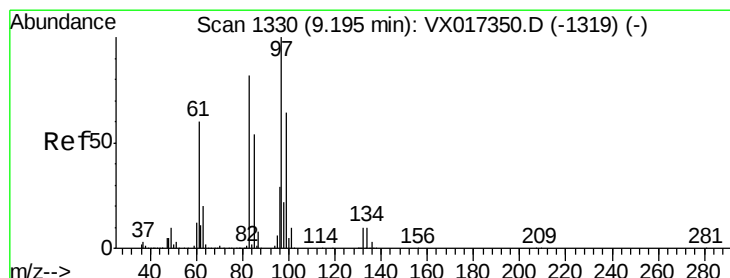
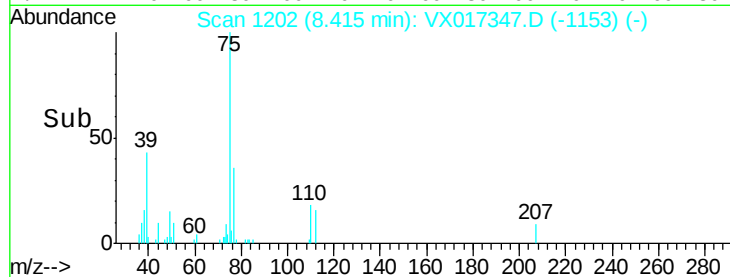
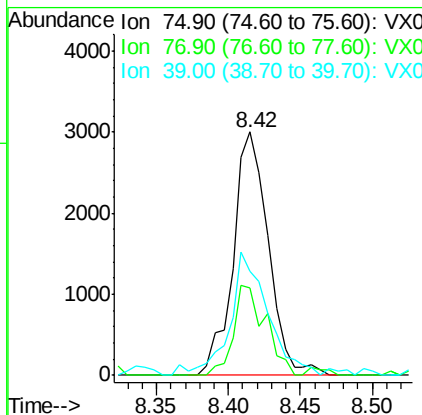
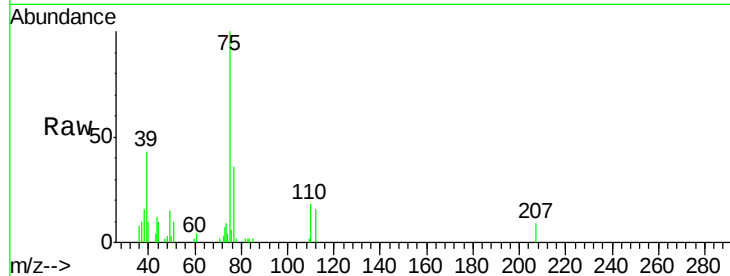
cis-1,3-Dichloropropene
Concen: 0.947 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.3	37.9
39	41.2	38.9	58.3

Manual Integrations
APPROVED

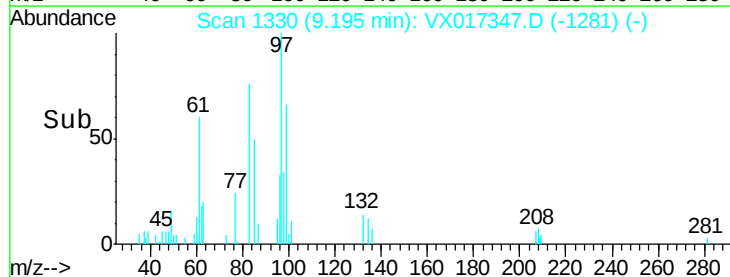
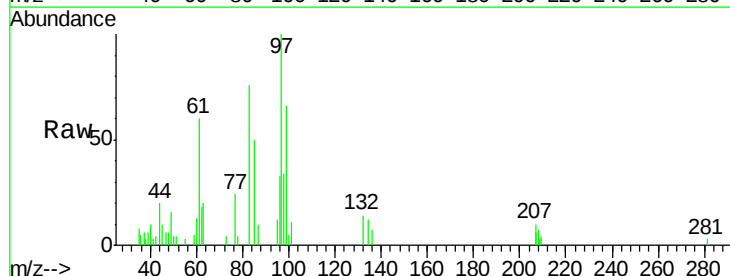
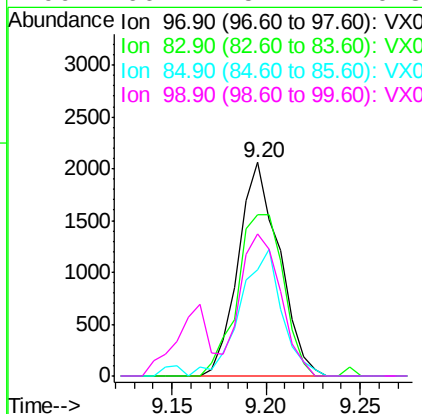
MMDadoda
7/14/2020 11:35:43 AM

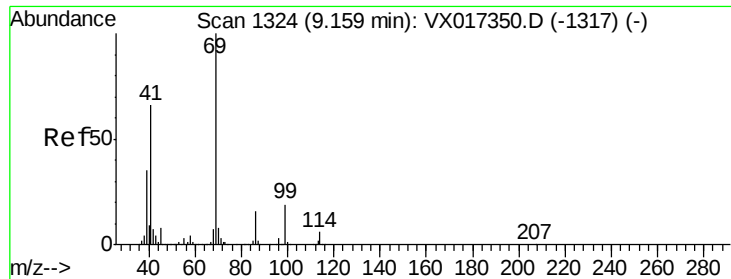


#55

1,1,2-Trichloroethane
Concen: 0.964 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	75.8	65.8	98.6
85	49.6	42.8	64.2
99	66.4	51.2	76.8





#56

Ethyl methacrylate

Concen: 0.806 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

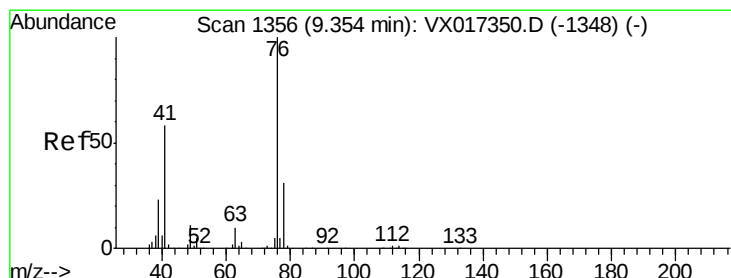
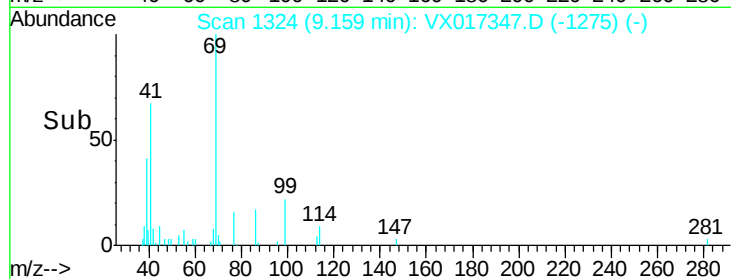
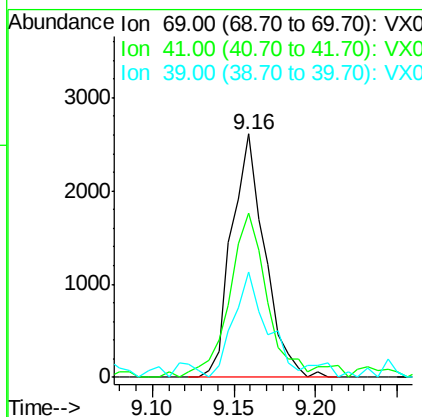
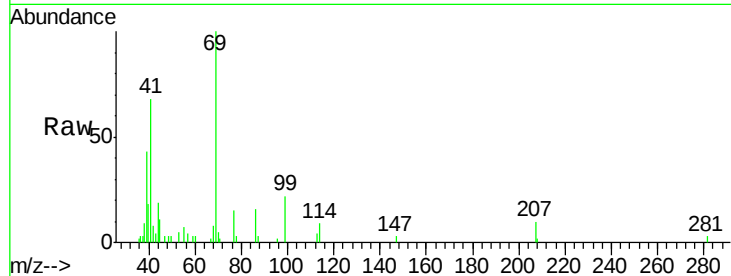
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	3693
Ion	Ratio	Lower	Upper
69	100		
41	76.5	52.6	78.8
39	43.6	28.8	43.2#

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#57

1,3-Dichloropropane

Concen: 0.973 ug/l

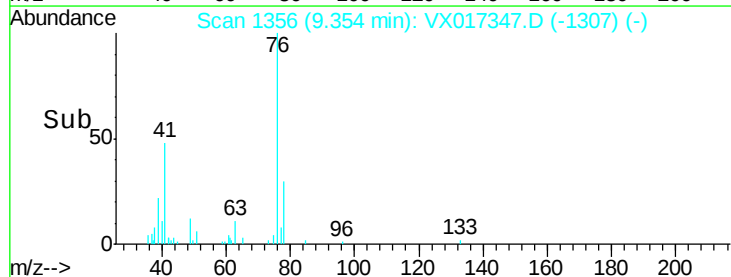
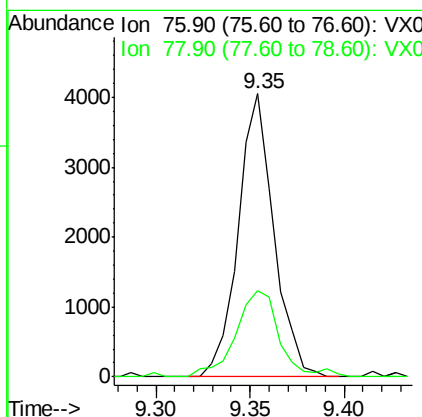
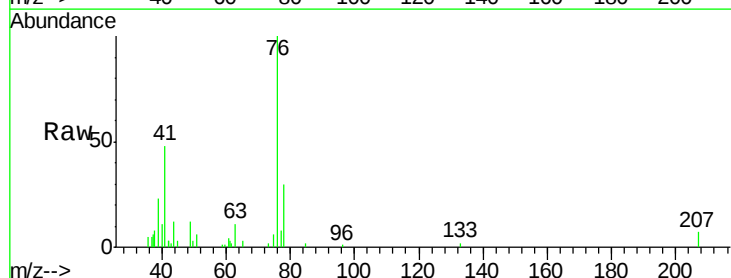
RT: 9.35 min Scan# 1356

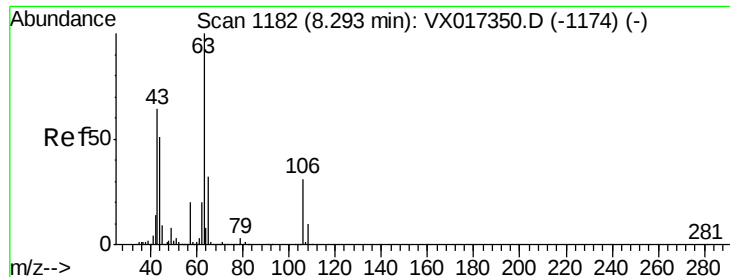
Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	76	Resp:	5304
Ion	Ratio	Lower	Upper
76	100		
78	37.3	25.8	38.6





#58

2-Chloroethyl Vinyl ether

Concen: 3.837 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 8787

Ion Ratio Lower Upper

63 100

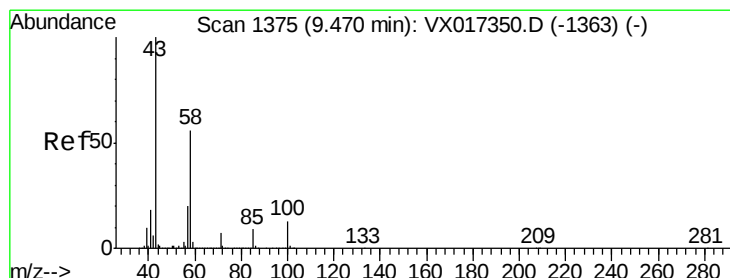
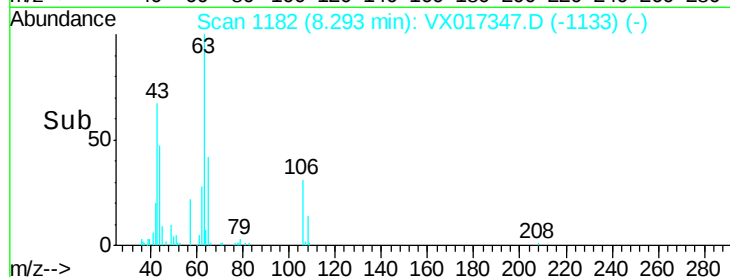
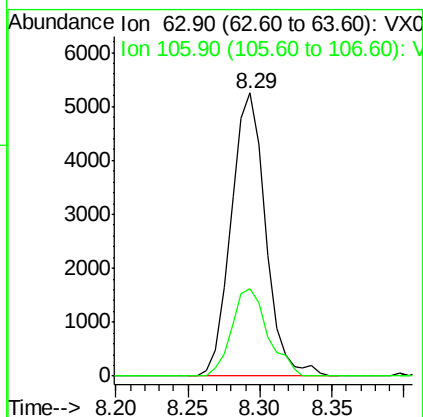
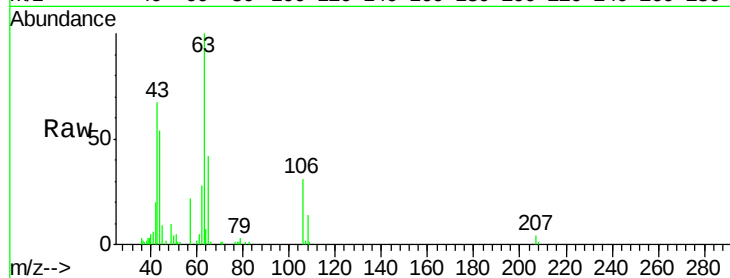
106 32.2 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:43 AM



#59

2-Hexanone

Concen: 4.400 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX017347.D

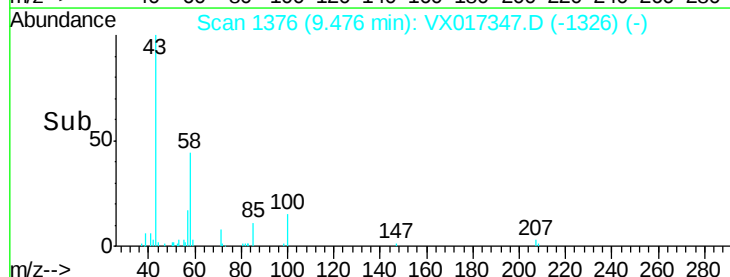
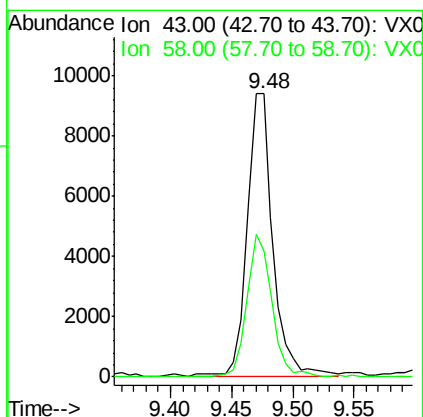
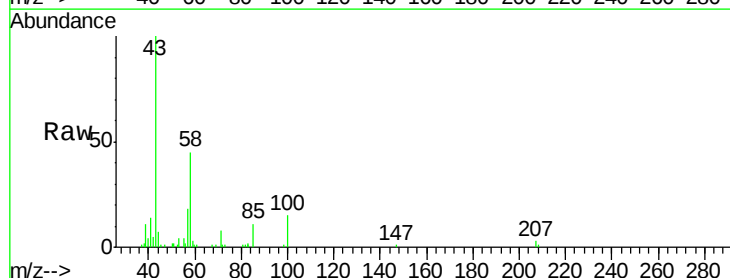
Acq: 13 Jul 2020 10:16

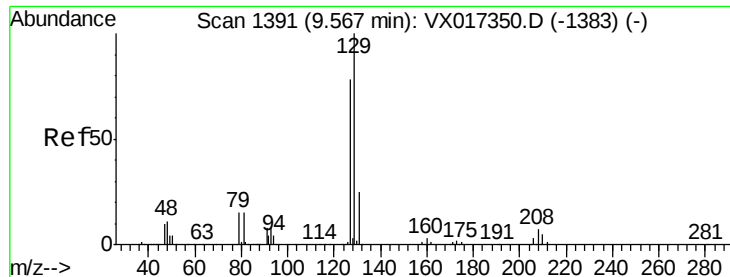
Tgt Ion: 43 Resp: 13891

Ion Ratio Lower Upper

43 100

58 48.5 28.1 84.3





#60

Dibromochloromethane

Concen: 0.931 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3521

Ion Ratio Lower Upper

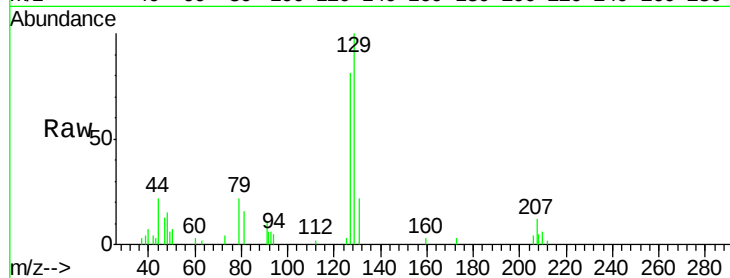
129 100

127 82.6 38.9 116.6

Manual Integrations
APPROVED

MMDadoda

7/14/2020 11:35:43 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

2500

2000

1500

1000

500

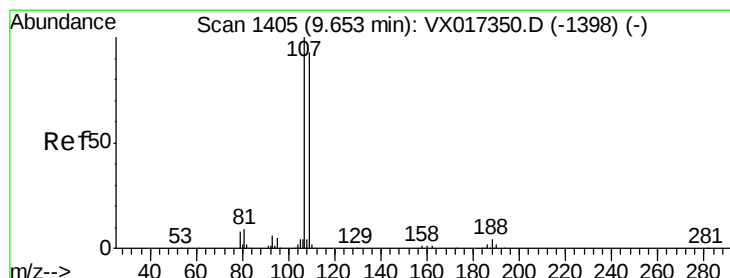
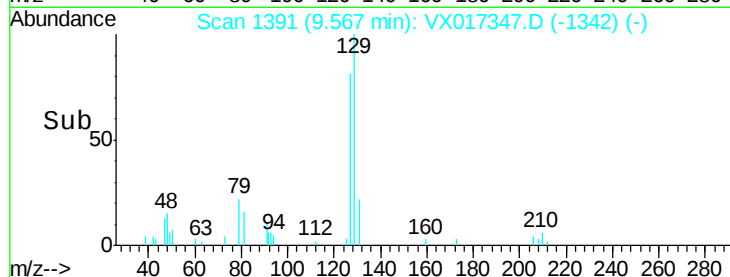
0

9.50

9.55

9.60

Time-->



#61

1,2-Dibromoethane

Concen: 0.922 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017347.D

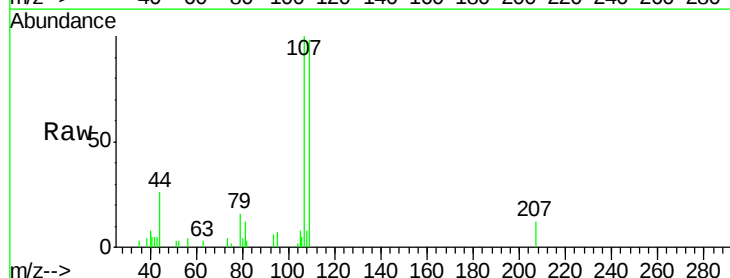
Acq: 13 Jul 2020 10:16

Tgt Ion:107 Resp: 3206

Ion Ratio Lower Upper

107 100

109 96.1 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

2500

2000

1500

1000

500

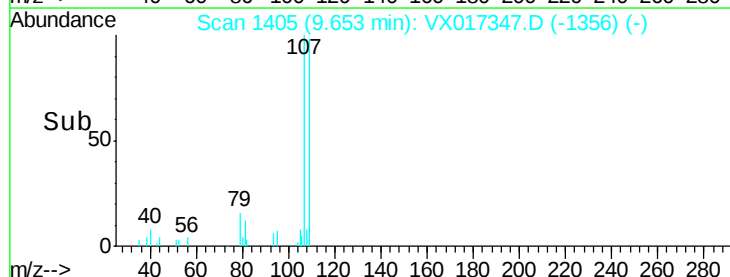
0

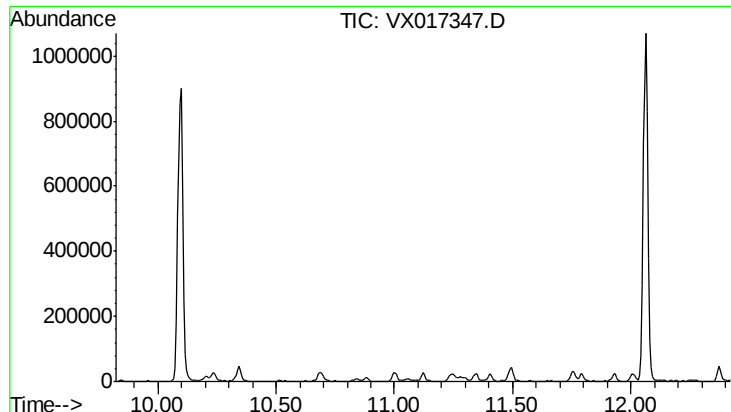
9.60

9.65

9.70

Time-->





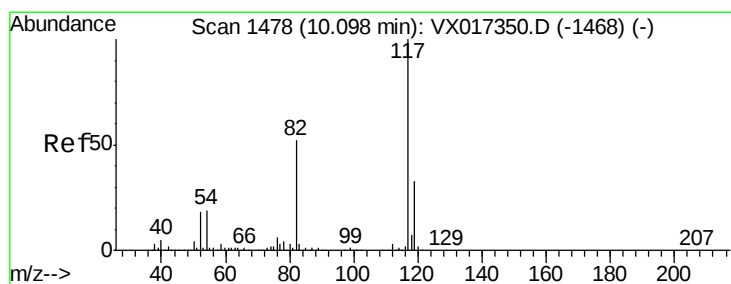
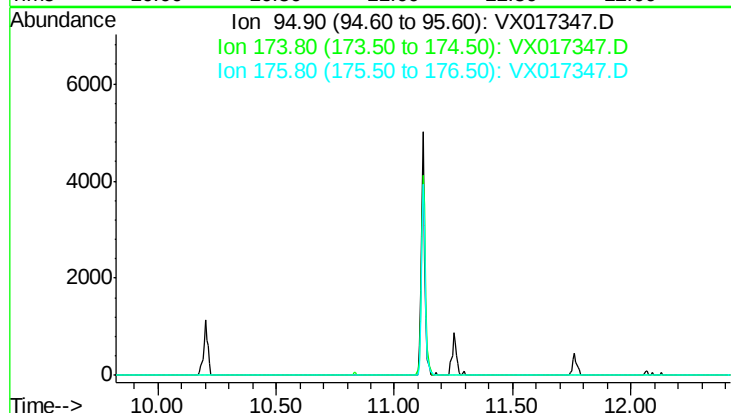
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.12 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 87.9
 176 82.3

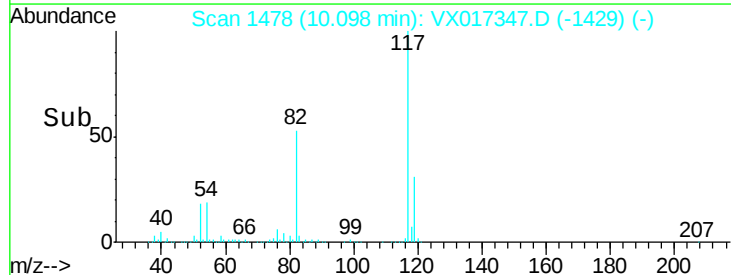
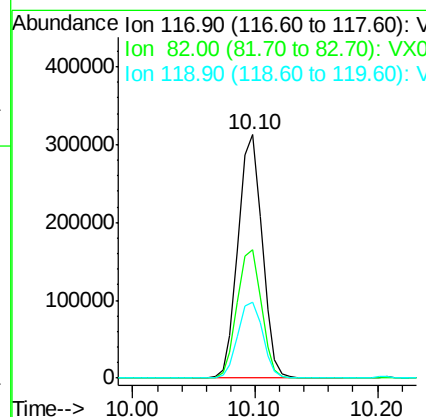
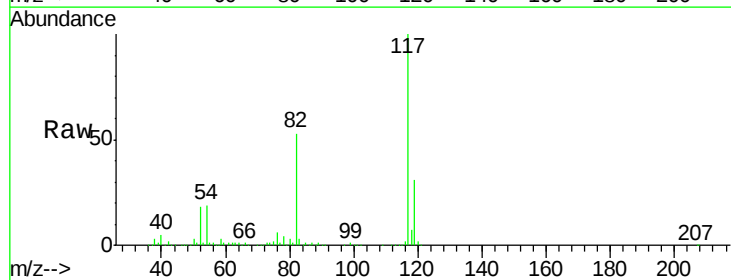
Manual Integrations
 APPROVED

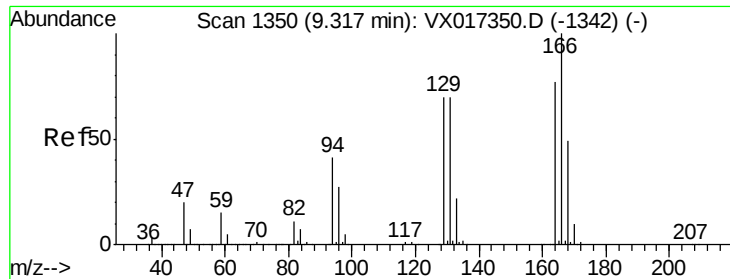
MMDadoda
 7/14/2020 11:35:43 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Tgt Ion: 117 Resp: 423971
 Ion Ratio Lower Upper
 117 100
 82 52.5 42.0 63.0
 119 31.3 26.3 39.5





#64

Tetrachloroethene

Concen: 1.191 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4134

Ion Ratio Lower Upper

164 100

166 127.3 103.9 155.9

129 92.2 72.9 109.3

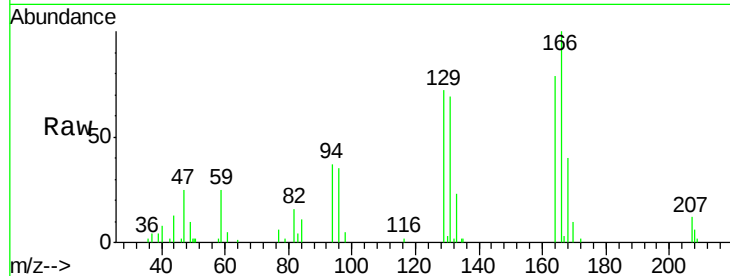
131 88.1 72.5 108.7

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:35:43 AM

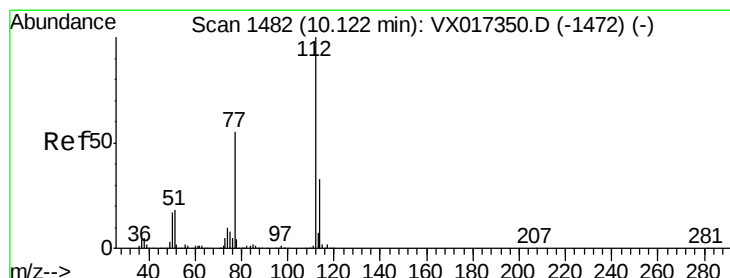
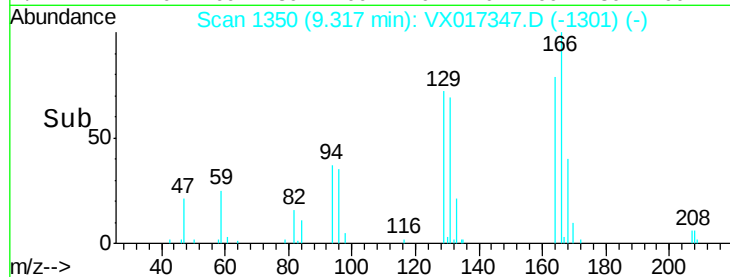
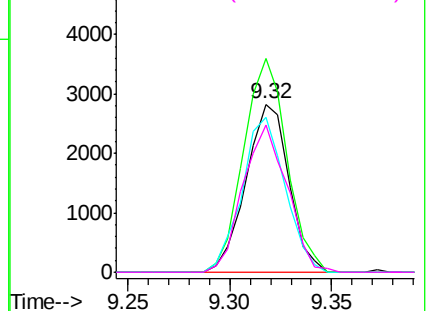


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.061 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017347.D

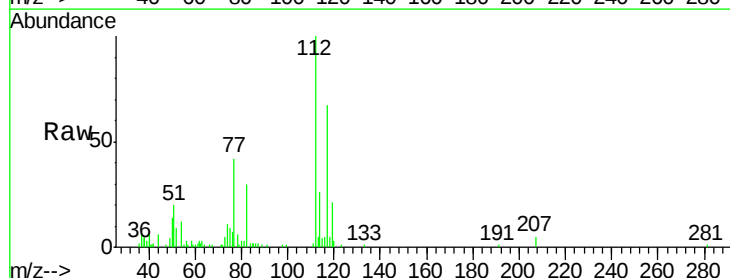
Acq: 13 Jul 2020 10:16

Tgt Ion:112 Resp: 9288

Ion Ratio Lower Upper

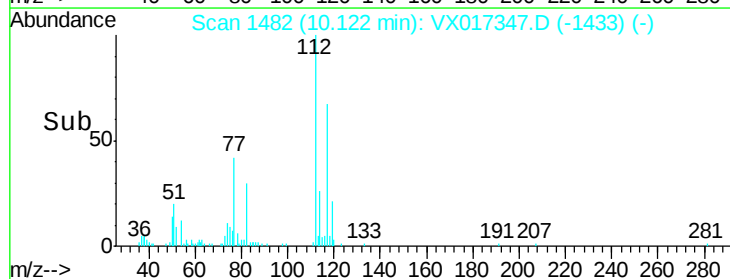
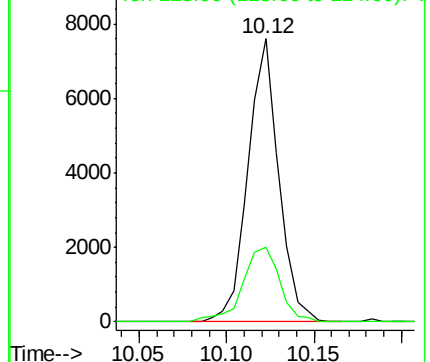
112 100

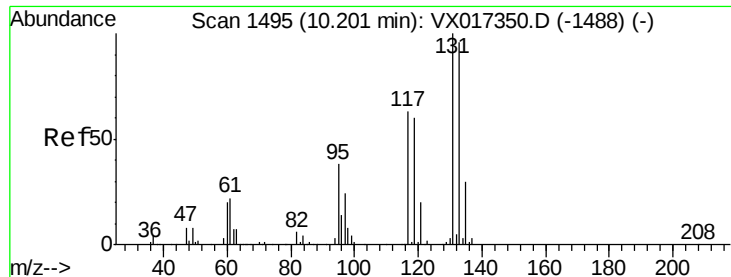
114 26.3 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.033 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

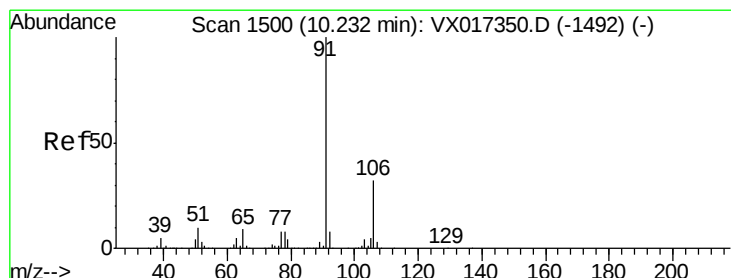
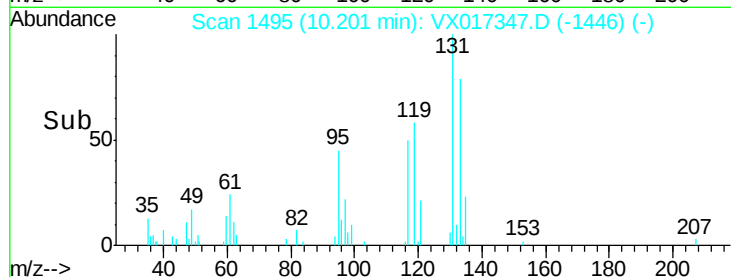
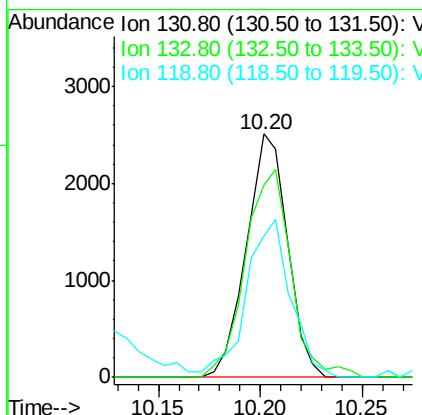
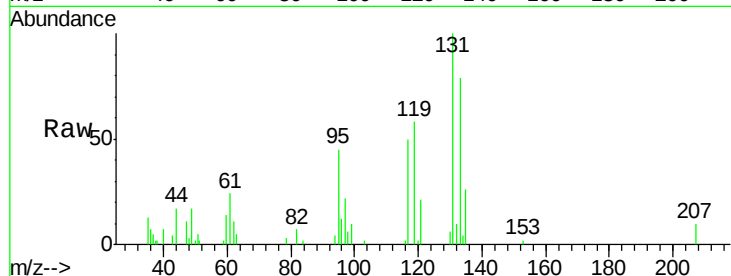
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.4	145.2
119	0.0	31.2	93.6

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#67

Ethyl Benzene

Concen: 0.929 ug/l

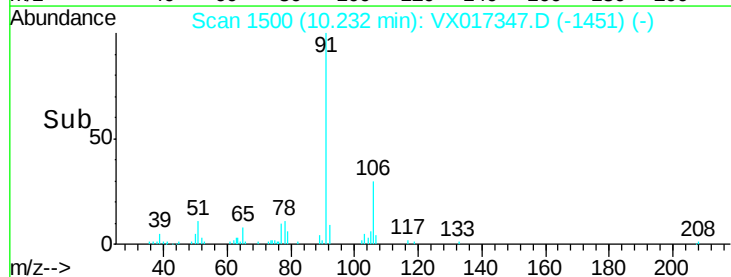
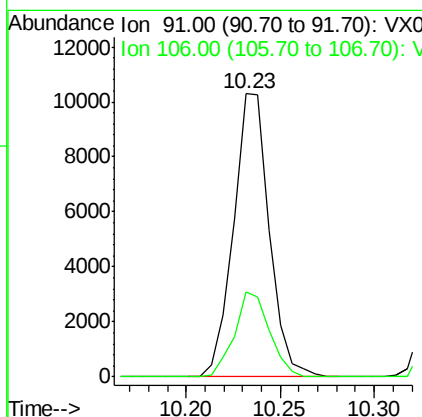
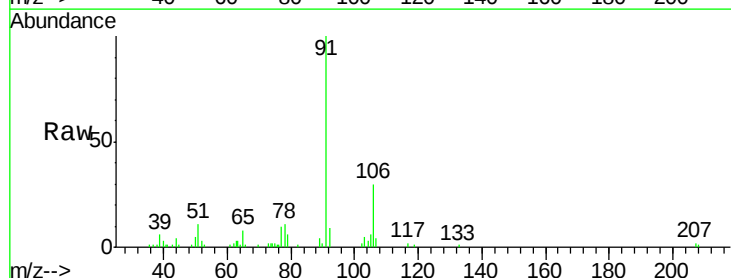
RT: 10.23 min Scan# 1500

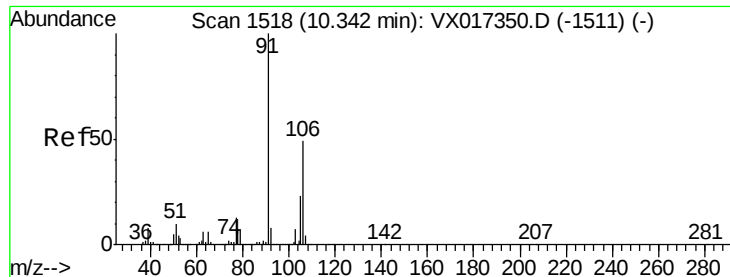
Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.7	38.5





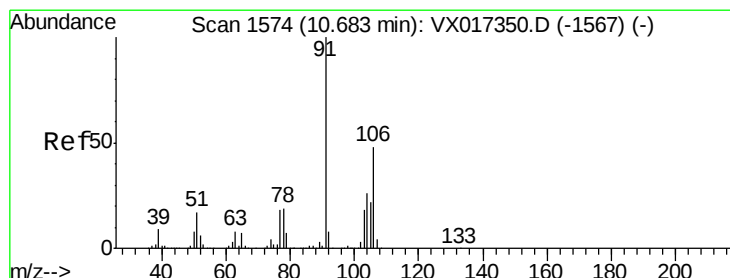
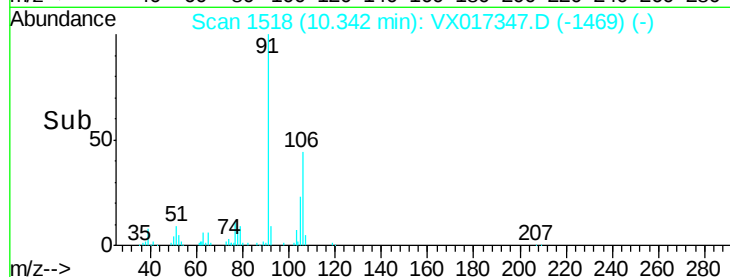
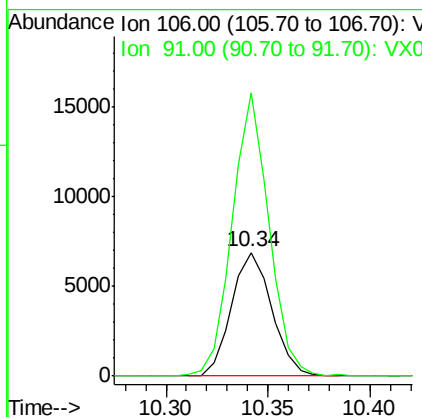
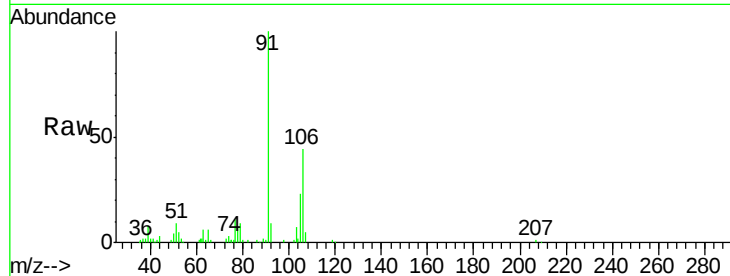
#68
m/p-Xylenes
Concen: 1.674 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.9	162.5	243.7	

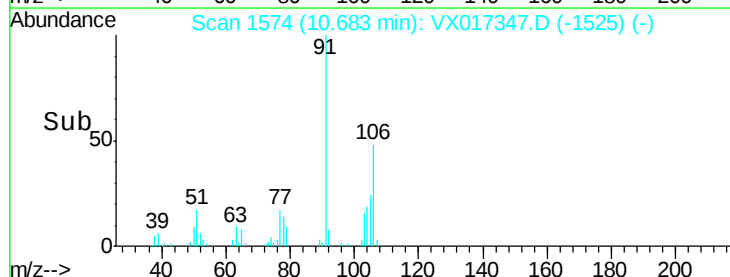
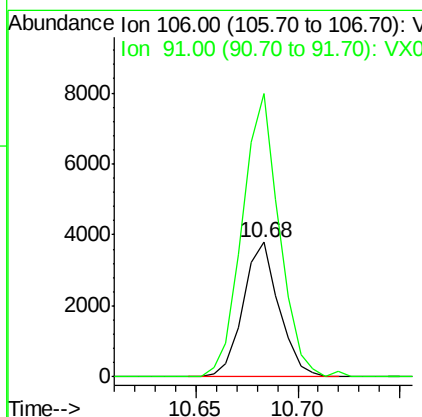
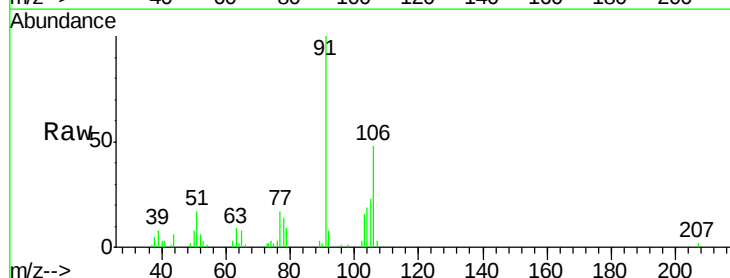
Manual Integrations
APPROVED

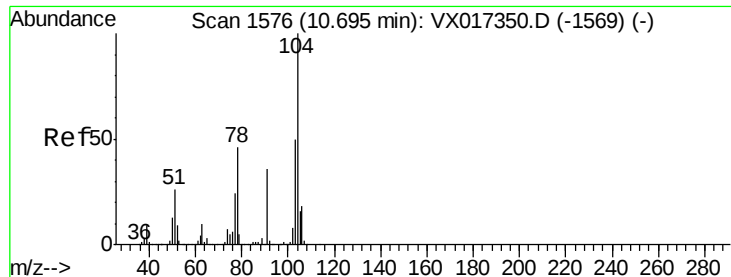
MMDadoda
7/14/2020 11:35:43 AM



#69
o-Xylene
Concen: 0.868 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.5	106.1	318.1	





#70

Stvrene

Concen: 0.783 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

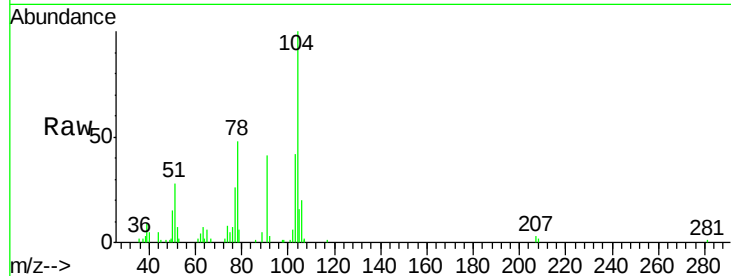
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	7118
Ion Ratio	Lower	Upper	
104	100		
78	56.6	40.8	61.2
103	52.9	43.3	64.9

Manual Integrations
APPROVED

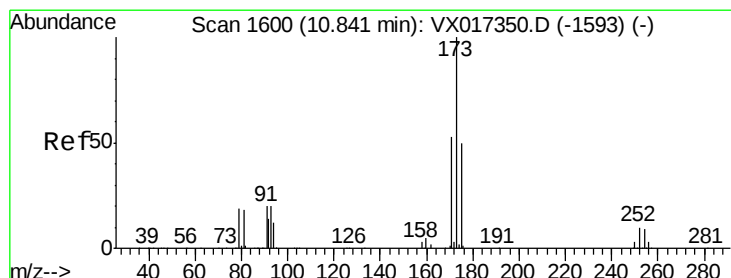
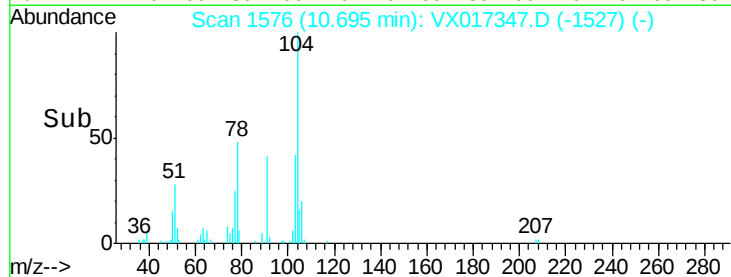
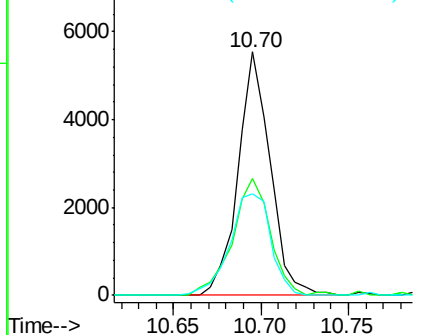
MMDadoda
7/14/2020 11:35:43 AM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.960 ug/l

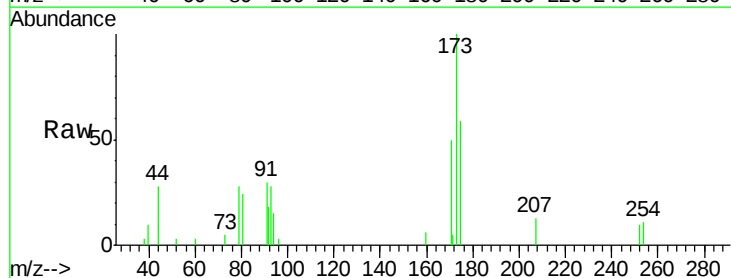
RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

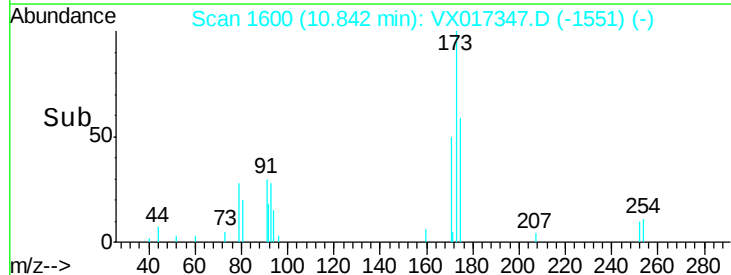
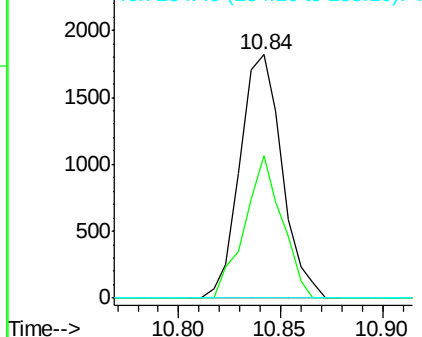
Tgt Ion:	173	Resp:	2606
Ion Ratio	Lower	Upper	
173	100		
175	52.0	24.7	74.1
254	0.0	0.1	0.1#

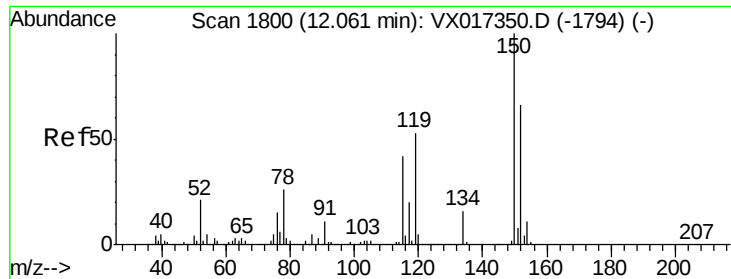


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

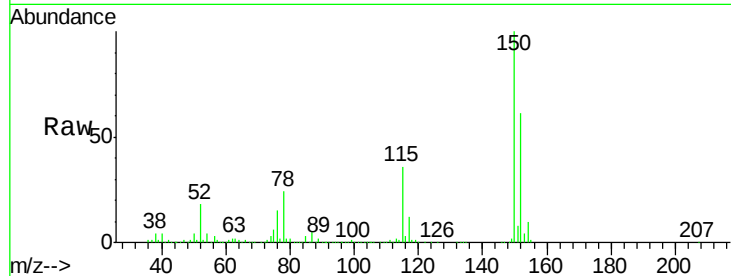
ClientSampleId :

VSTDIC001

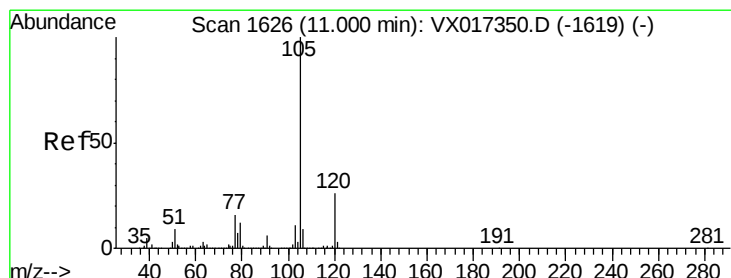
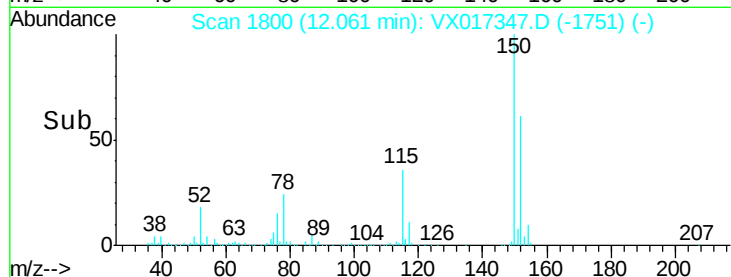
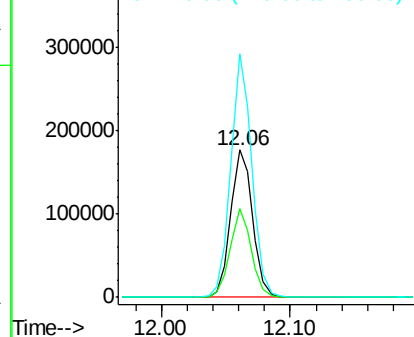
Tot Ion:	152	Resp:	213311
Ion Ratio	Lower	Upper	
152	100		
115	57.8	39.9	119.7
150	157.5	0.0	343.4

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.857 ug/l

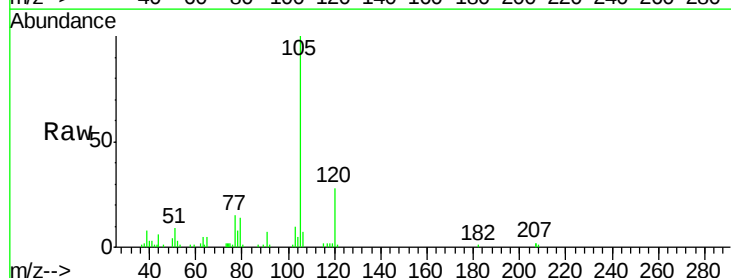
RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

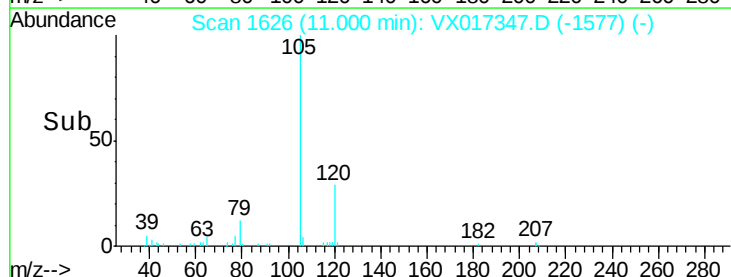
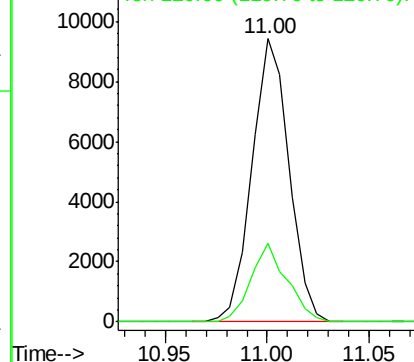
Lab File: VX017347.D

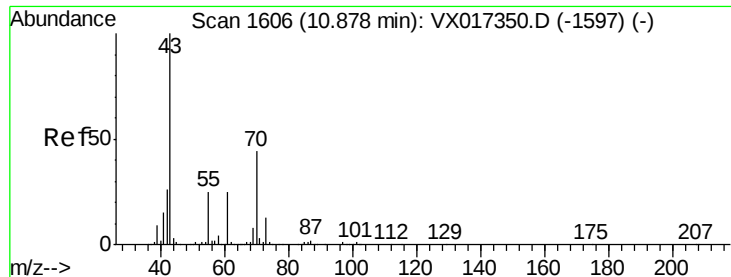
Acq: 13 Jul 2020 10:16

Tgt Ion:	105	Resp:	11926
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.3	39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.742 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

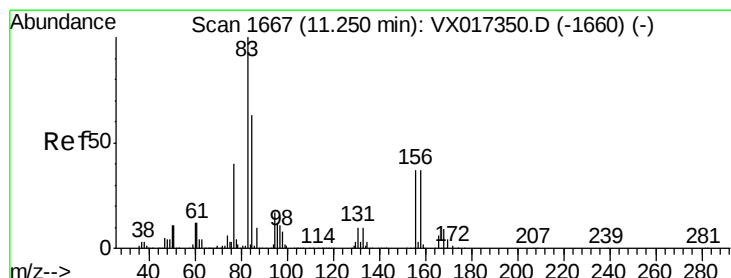
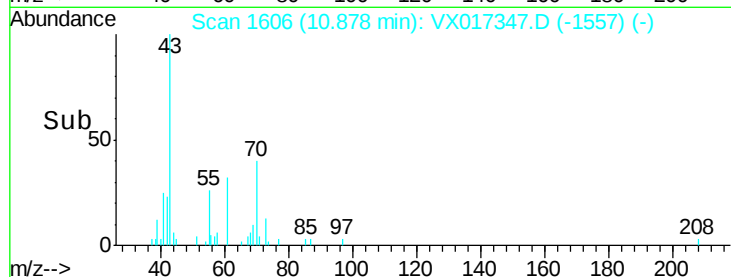
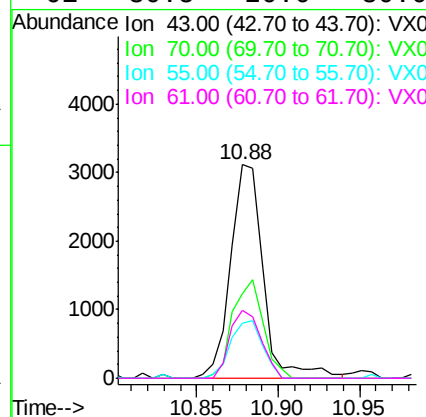
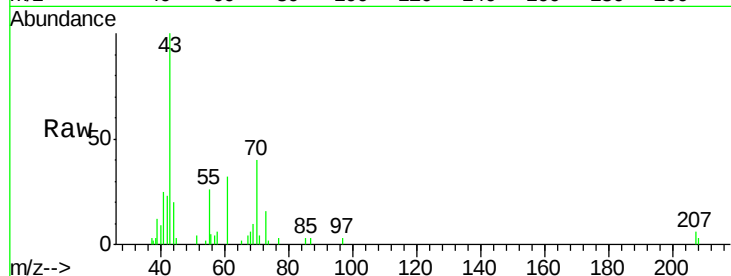
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	4353
Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.7	53.5
55	26.7	20.3	30.5
61	30.5	20.0	30.0#

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 0.914 ug/l

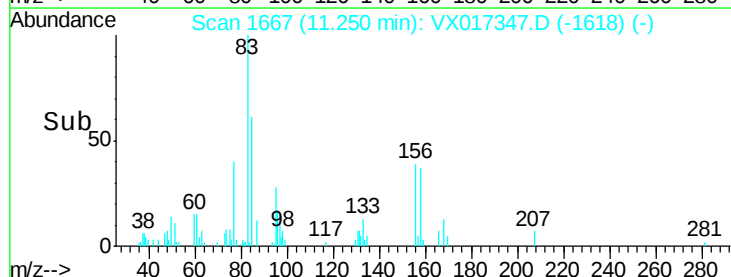
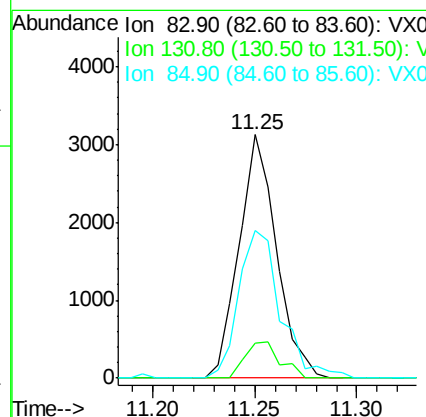
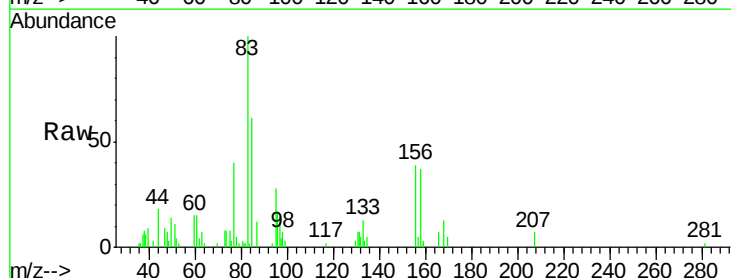
RT: 11.25 min Scan# 1667

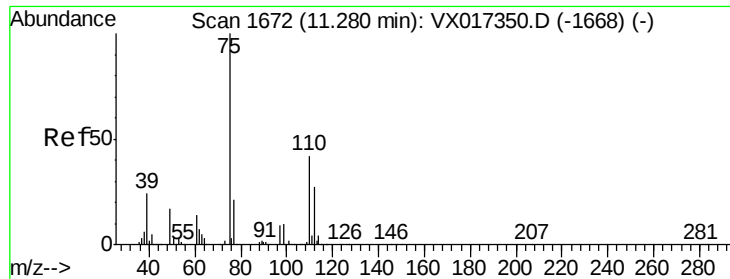
Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	83	Resp:	3976
Ion	Ratio	Lower	Upper
83	100		
131	13.9	5.5	16.7
85	67.7	32.6	98.0





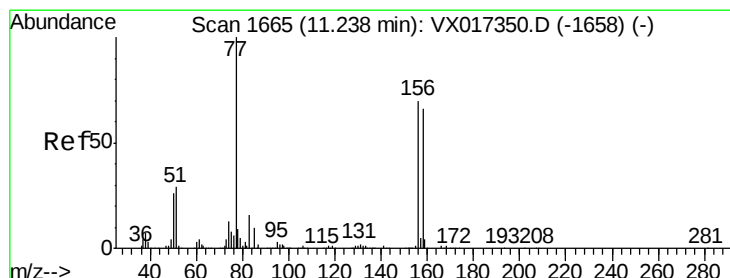
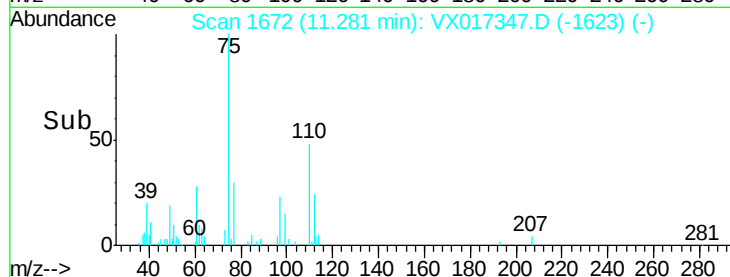
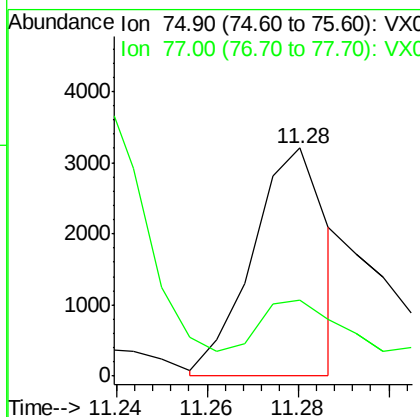
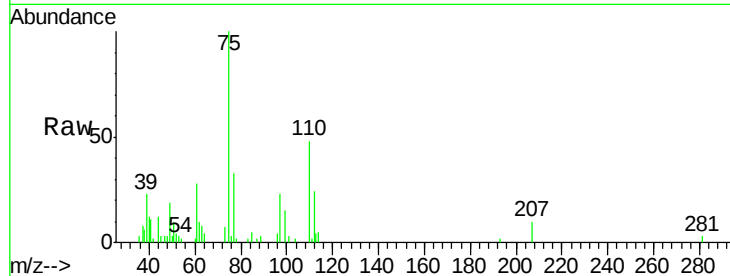
#76
 1,2,3-Trichloropropane
 Concen: 0.875 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 3633
 Ion Ratio Lower Upper
 75 100
 77 50.9 20.3 60.9

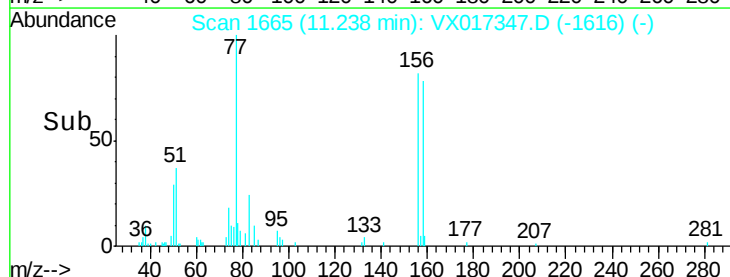
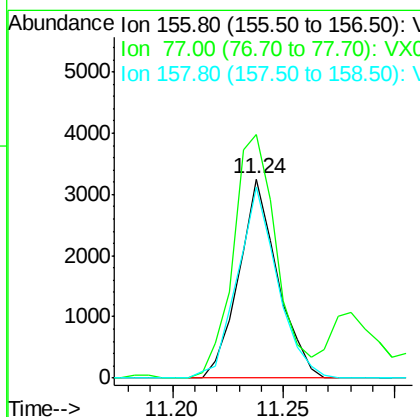
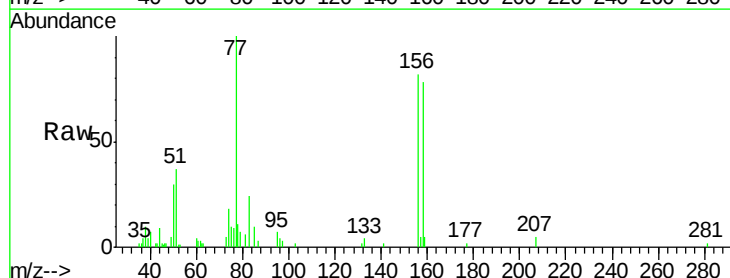
Manual Integrations
 APPROVED

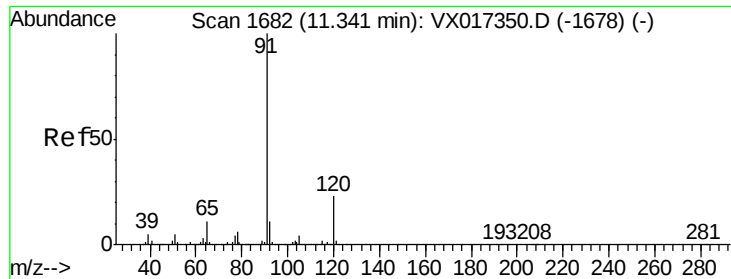
MMDadoda
 7/14/2020 11:35:43 AM



#77
 Bromobenzene
 Concen: 1.023 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Tgt Ion: 156 Resp: 3944
 Ion Ratio Lower Upper
 156 100
 77 137.8 72.1 216.3
 158 99.2 47.4 142.3





#78

n-propylbenzene

Concen: 0.807 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 12706

Ion Ratio Lower Upper

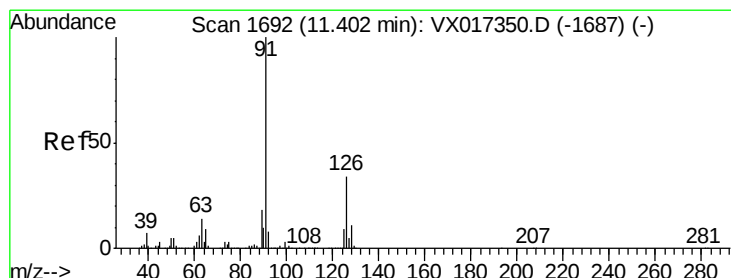
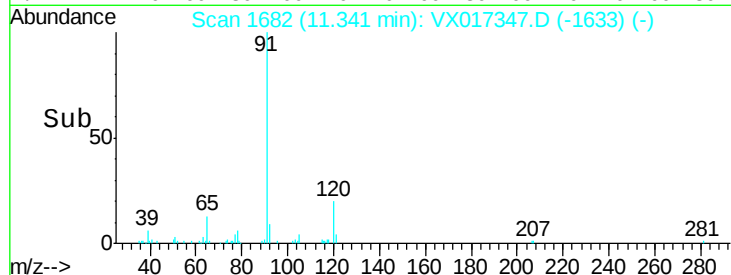
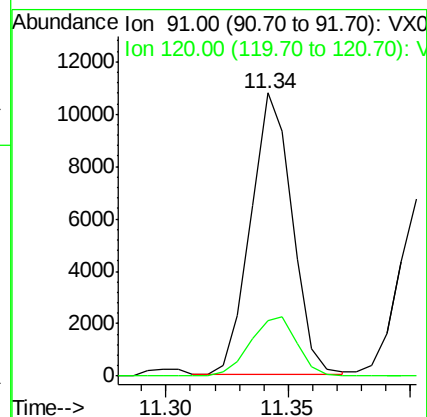
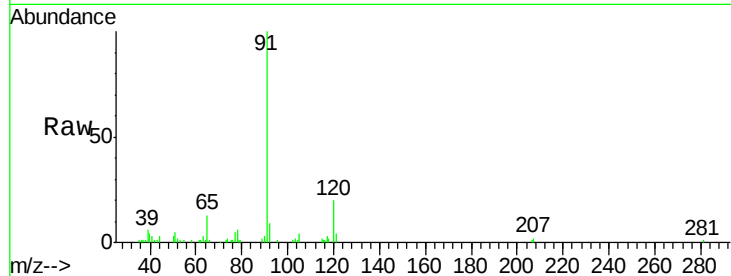
91 100

120 23.7 11.9 35.9

Manual Integrations
APPROVED

MMDadoda

7/14/2020 11:35:43 AM



#79

2-Chlorotoluene

Concen: 0.891 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017347.D

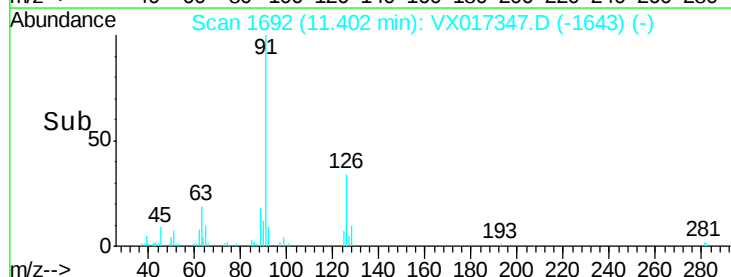
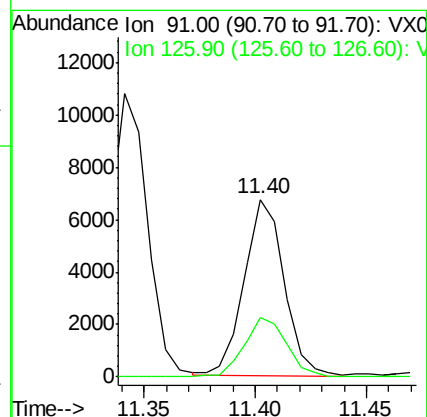
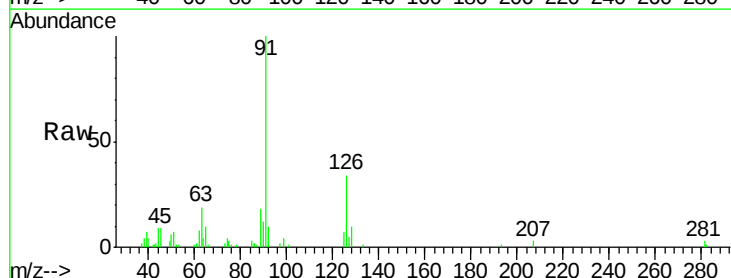
Acq: 13 Jul 2020 10:16

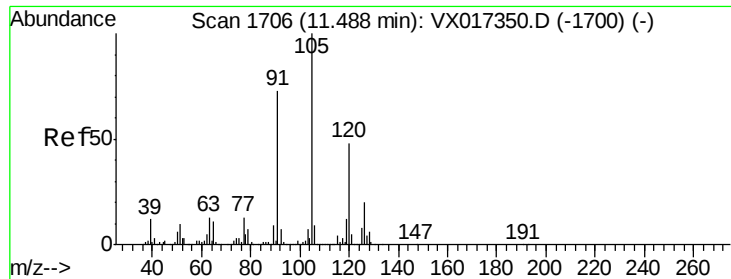
Tgt Ion: 91 Resp: 8485

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3





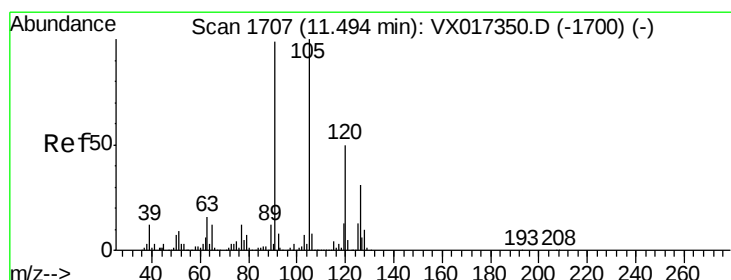
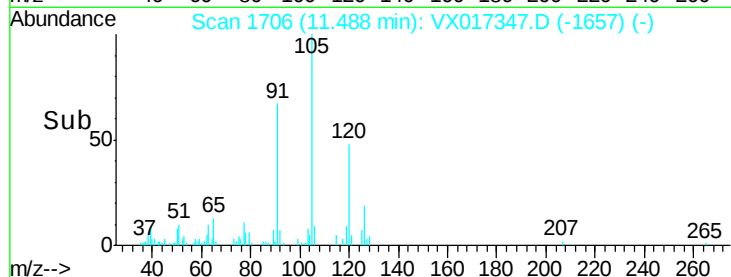
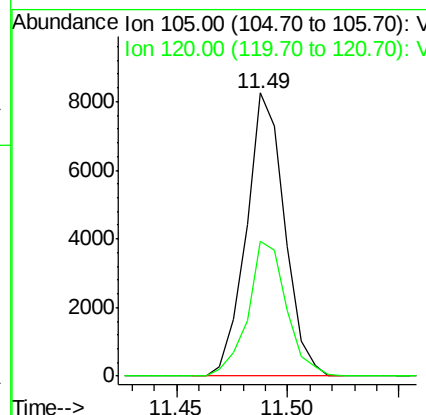
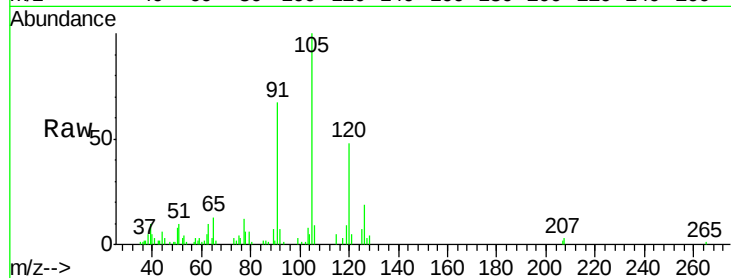
#80
 1,3,5-Trimethylbenzene
 Concen: 0.856 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.8	74.4

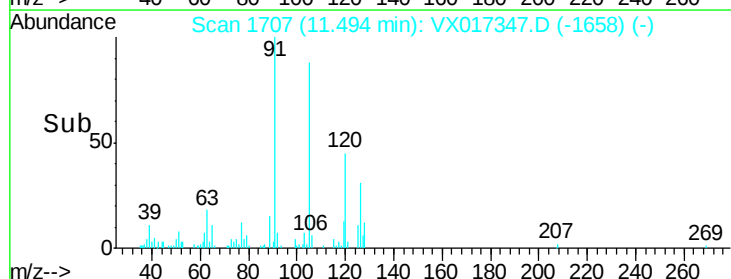
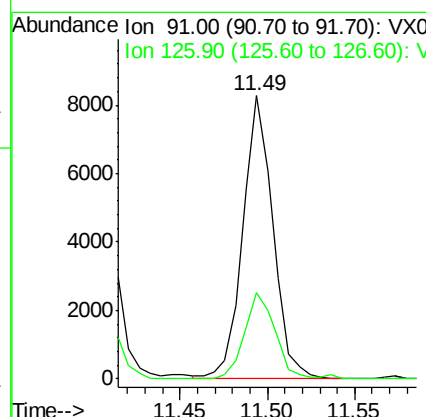
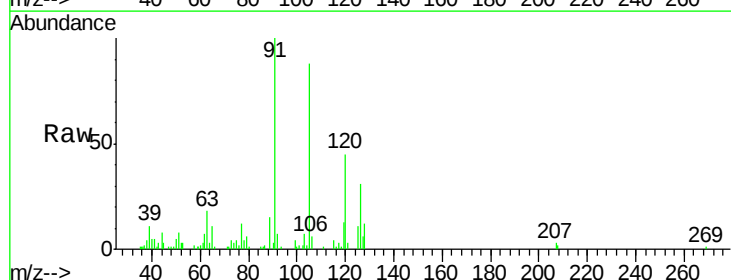
Manual Integrations
 APPROVED

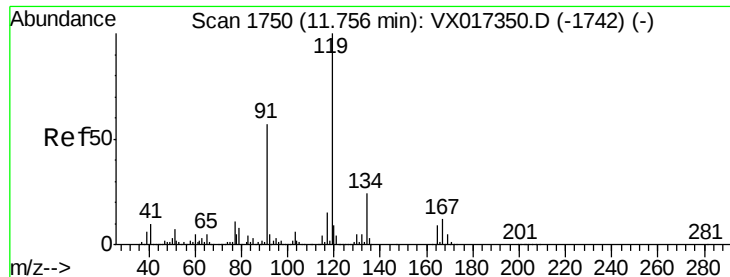
MMDadoda
 7/14/2020 11:35:43 AM



#82
 4-Chlorotoluene
 Concen: 0.869 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.2





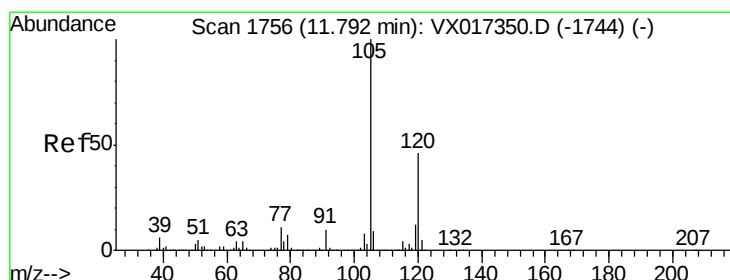
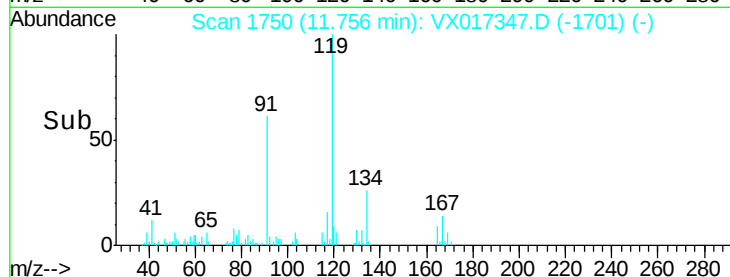
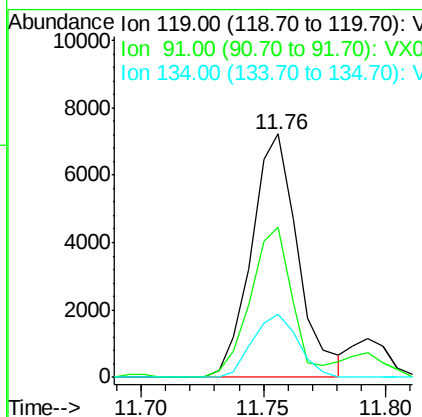
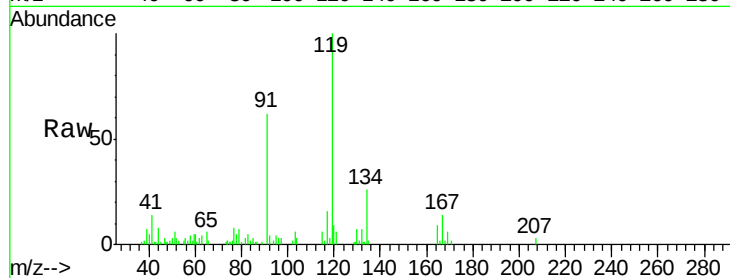
#83
tert-Butylbenzene
Concen: 0.845 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	28.5	85.6
134	25.3	11.9	35.9

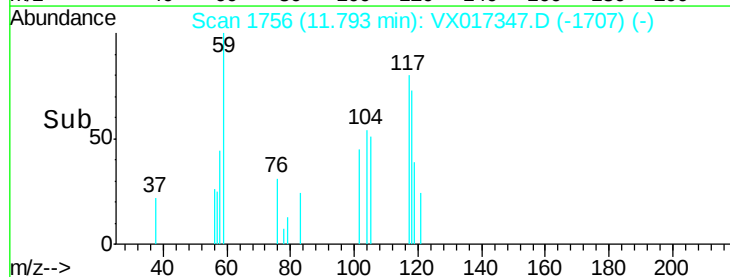
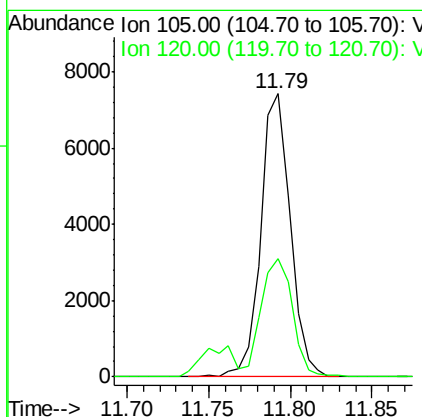
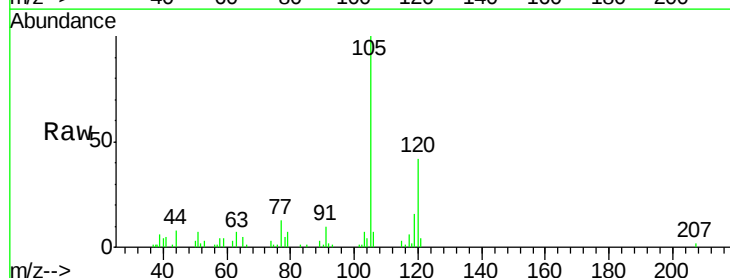
Manual Integrations
APPROVED

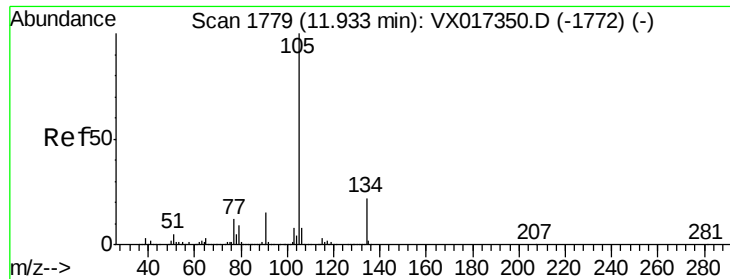
MMDadoda
7/14/2020 11:35:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.792 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 0.817 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 10897

Ion Ratio Lower Upper

105 100

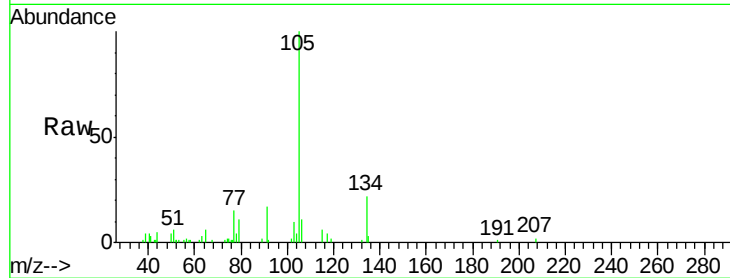
134 21.2 10.5 31.5

Manual Integrations

APPROVED

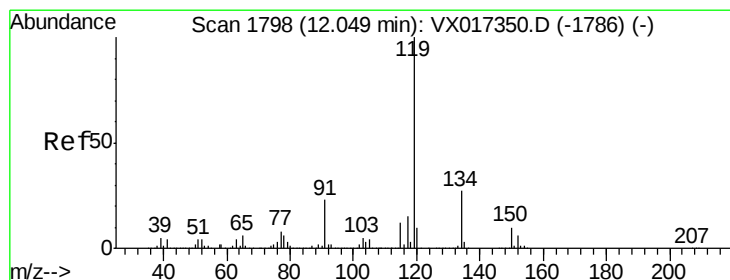
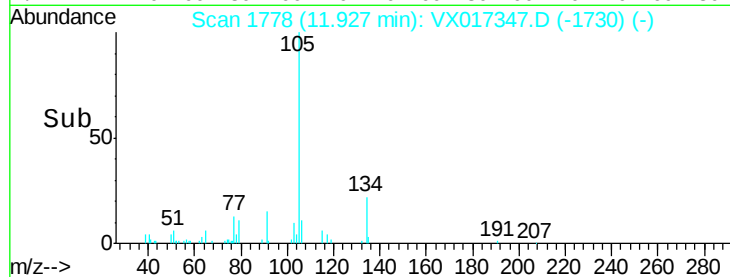
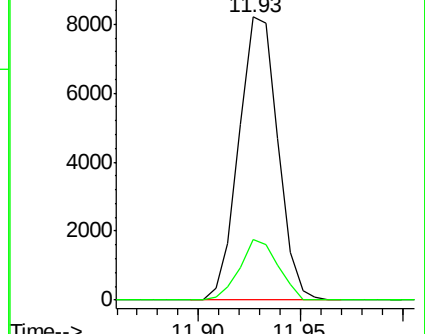
MMDadoda

7/14/2020 11:35:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.816 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

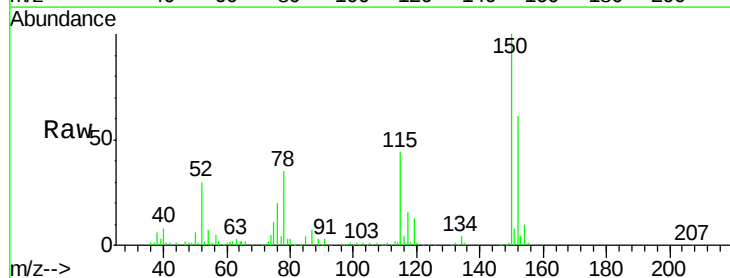
Tgt Ion:119 Resp: 10111

Ion Ratio Lower Upper

119 100

134 31.1 13.5 40.5

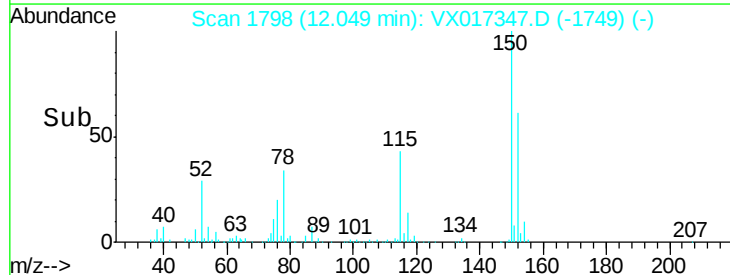
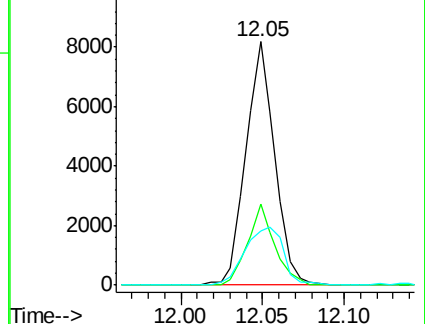
91 31.6 11.8 35.3

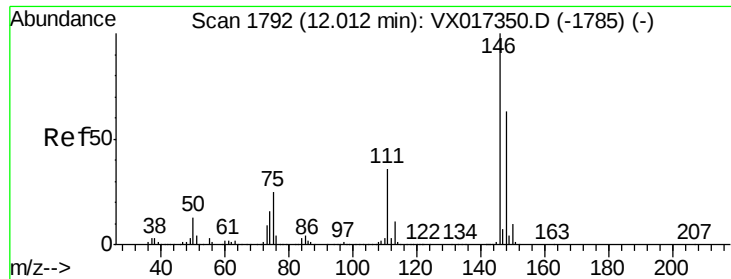


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.022 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Instrument :

MSVOA_X

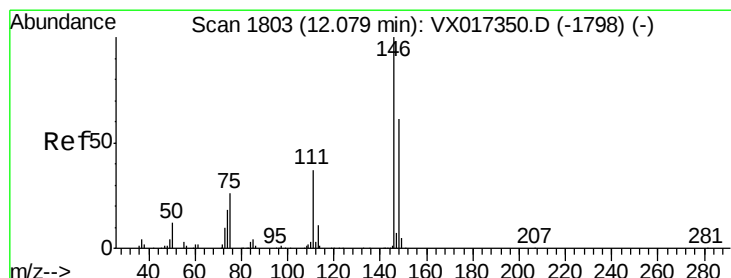
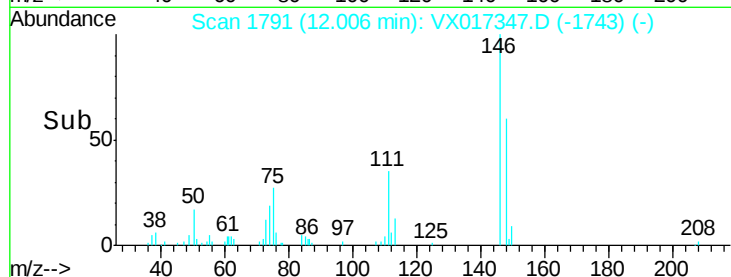
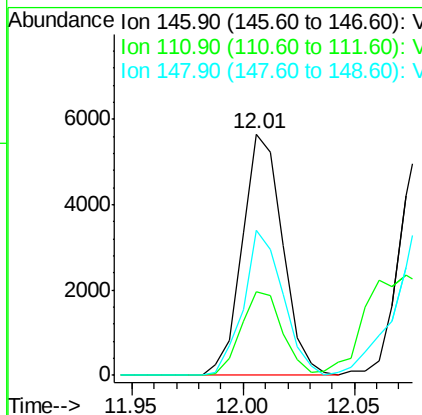
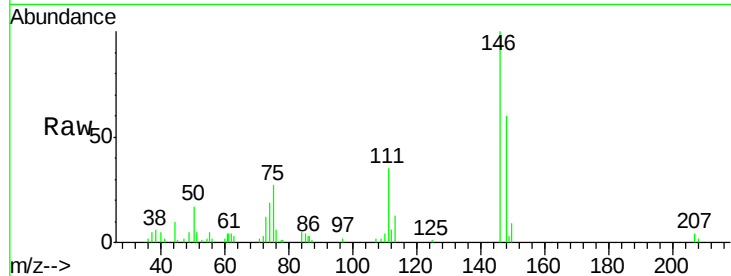
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	7166
Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.2	57.6
148	58.6	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#88

1,4-Dichlorobenzene

Concen: 1.011 ug/l m

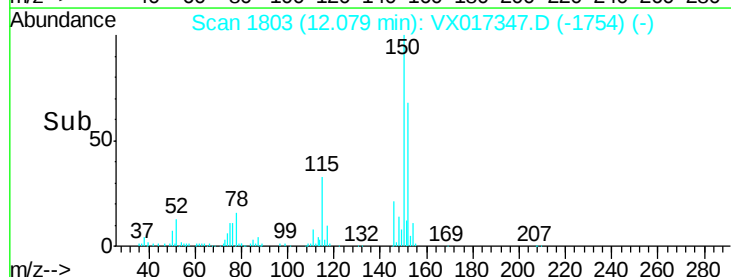
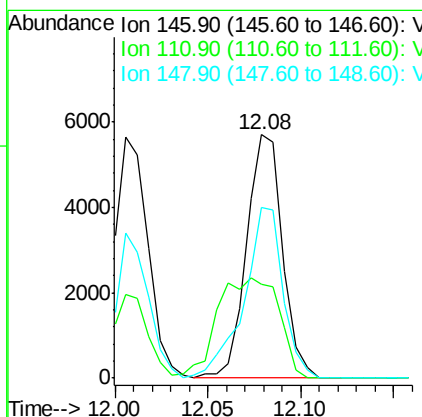
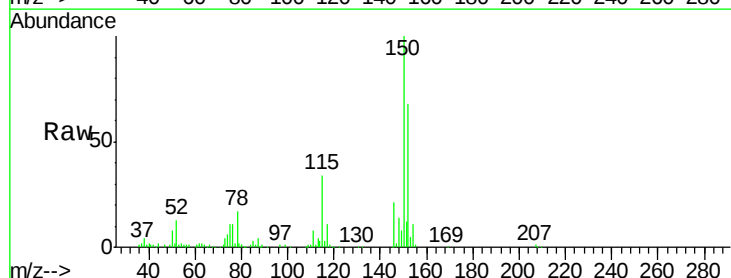
RT: 12.08 min Scan# 1803

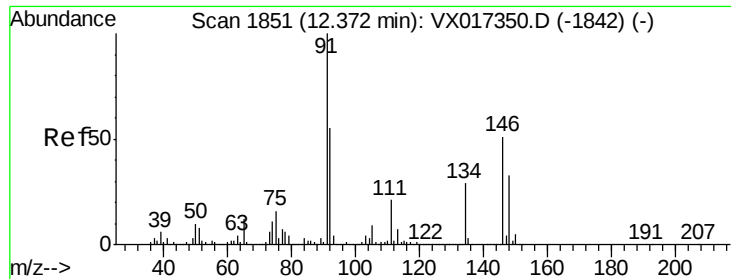
Delta R.T. 0.00 min

Lab File: VX017347.D

Acq: 13 Jul 2020 10:16

Tgt Ion:	146	Resp:	7233
Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.9	56.9
148	58.0	31.9	95.9





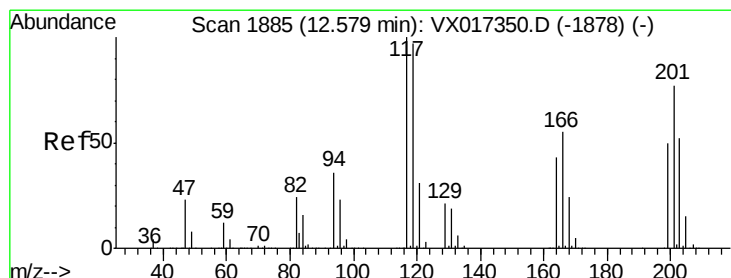
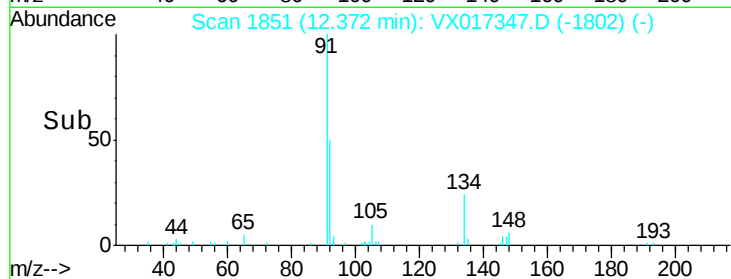
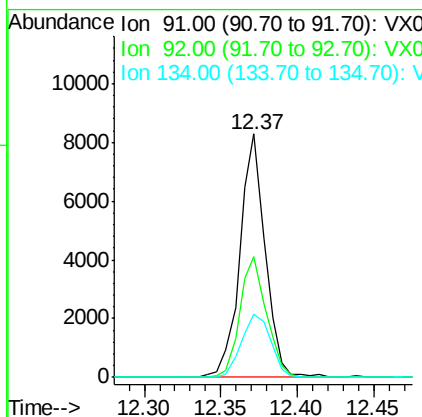
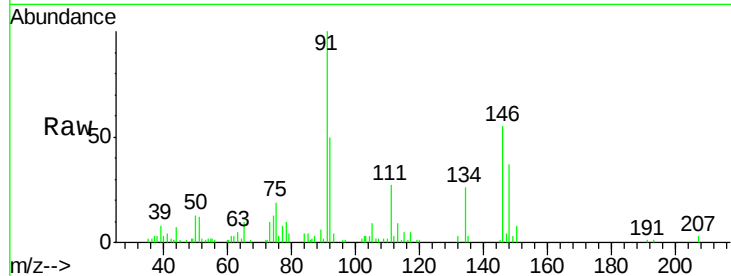
#89
n-Butylbenzene
Concen: 0.861 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 9494
Ion Ratio Lower Upper
91 100
92 52.1 27.0 81.0
134 29.8 14.1 42.2

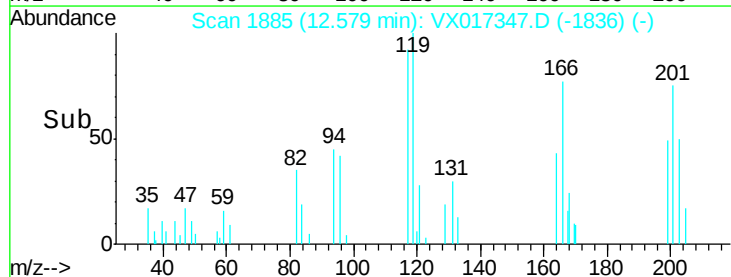
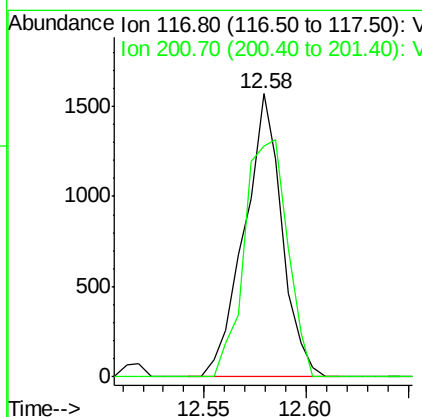
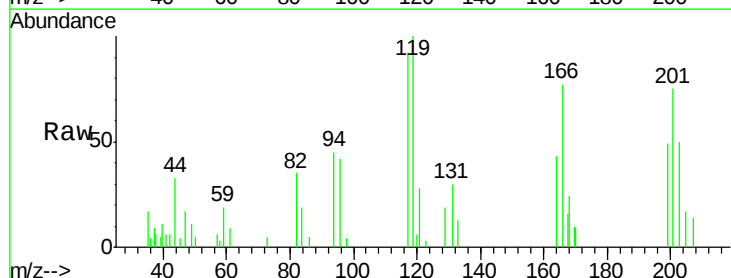
Manual Integrations
APPROVED

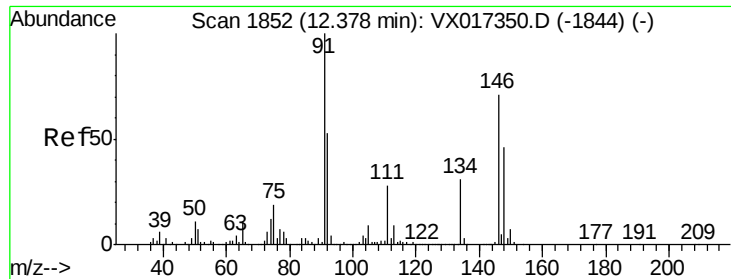
MMDadoda
7/14/2020 11:35:43 AM



#90
Hexachloroethane
Concen: 0.826 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion: 117 Resp: 2015
Ion Ratio Lower Upper
117 100
201 95.7 41.0 123.0





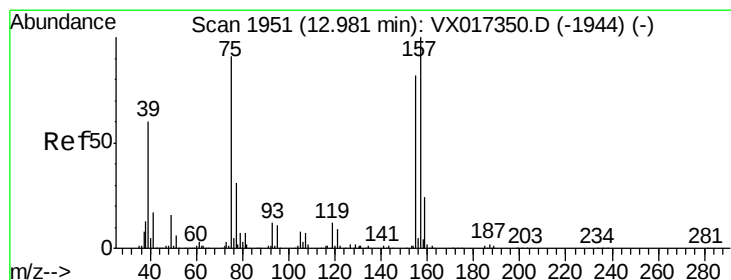
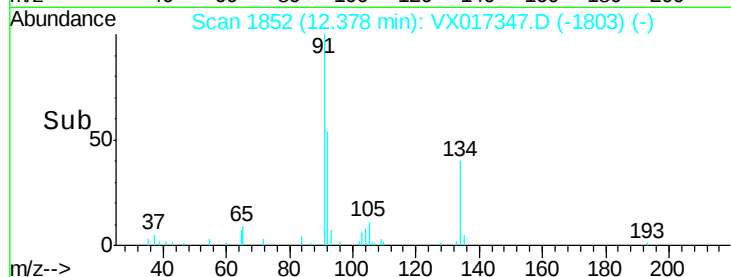
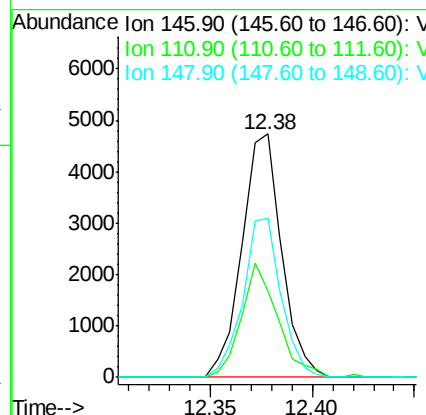
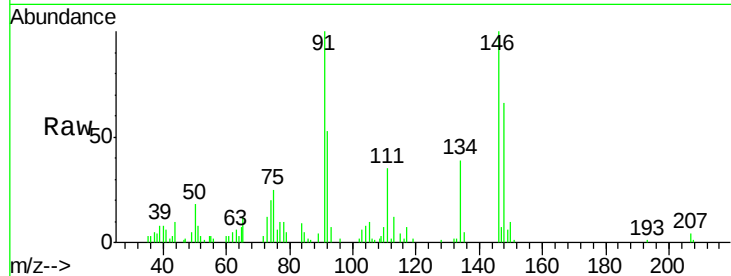
#91
 1,2-Dichlorobenzene
 Concen: 0.980 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	61.0
148	63.0	32.0	96.0

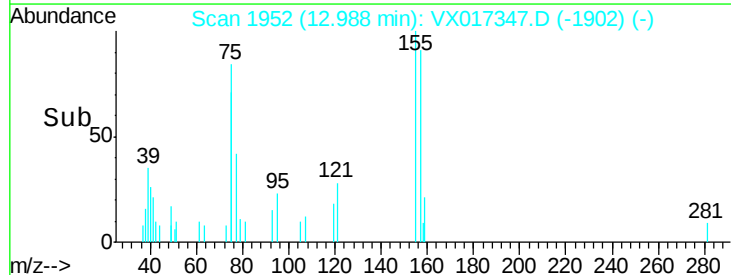
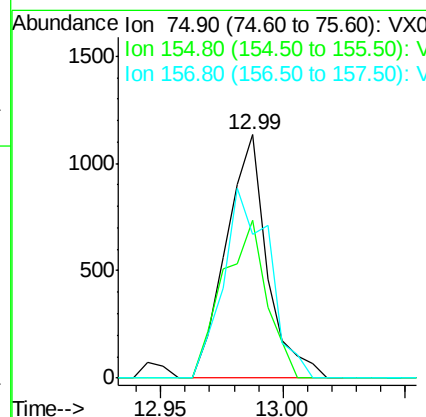
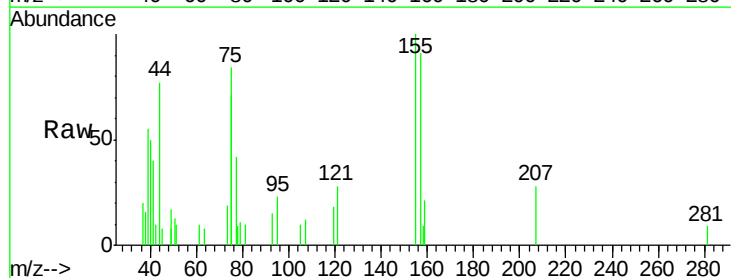
Manual Integrations
 APPROVED

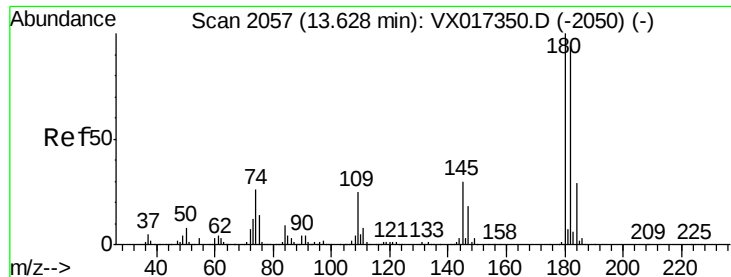
MMDadoda
 7/14/2020 11:35:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.254 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	46.5	139.3
157	87.6	58.0	173.9





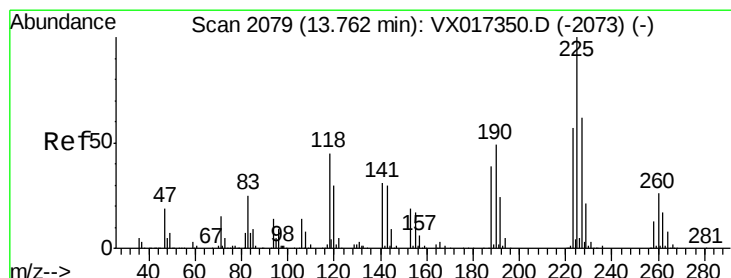
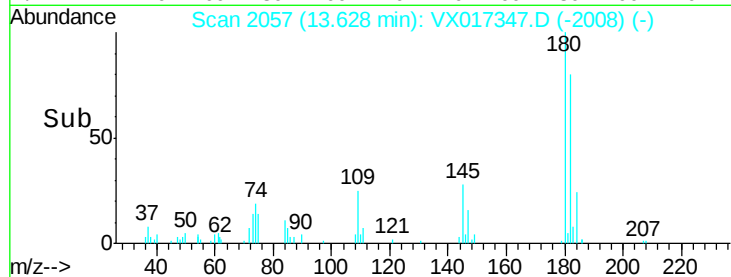
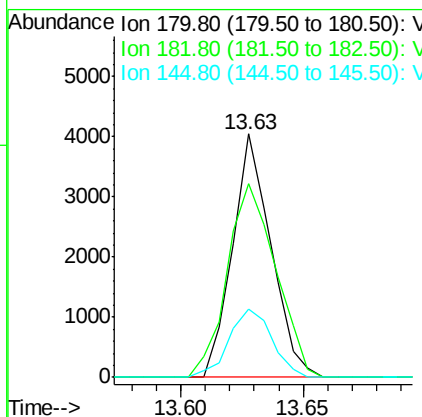
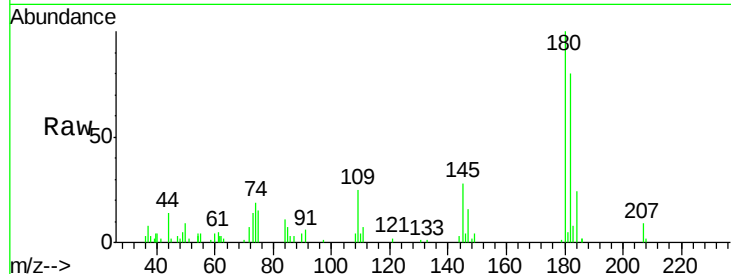
#93
 1,2,4-Trichlorobenzene
 Concen: 0.988 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	48.4	145.0
145	31.5	15.3	45.8

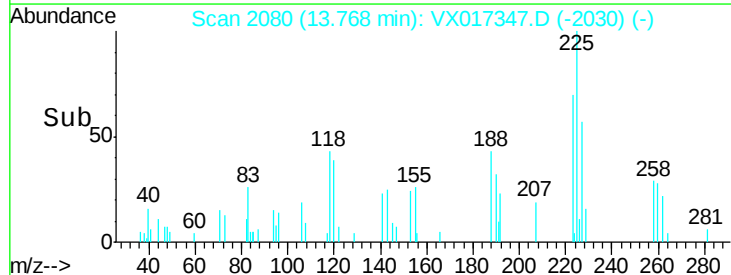
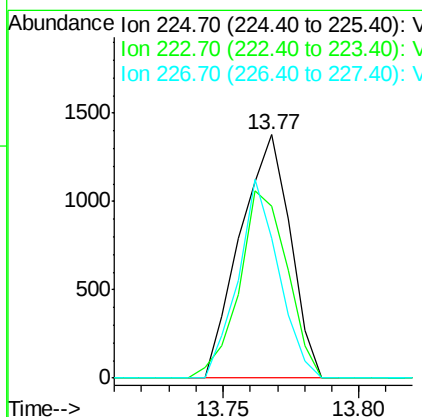
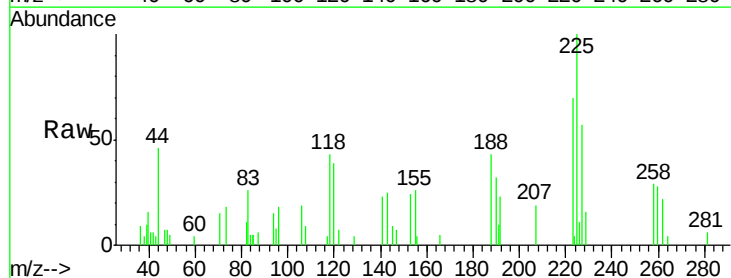
Manual Integrations
 APPROVED

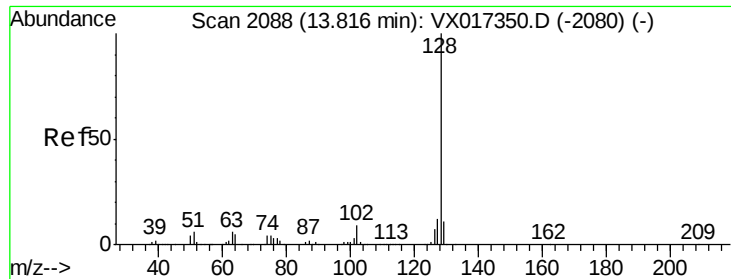
MMDadoda
 7/14/2020 11:35:43 AM



#94
 Hexachlorobutadiene
 Concen: 0.964 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017347.D
 Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	73.8	31.3	93.8
227	65.7	31.6	95.0





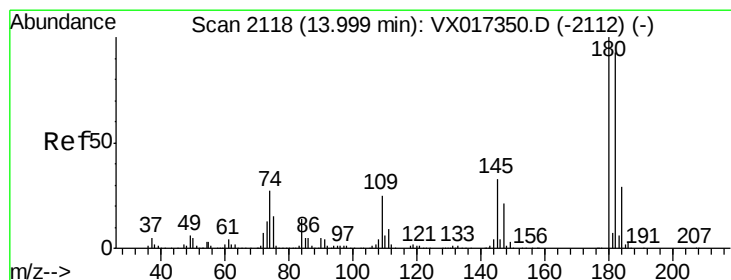
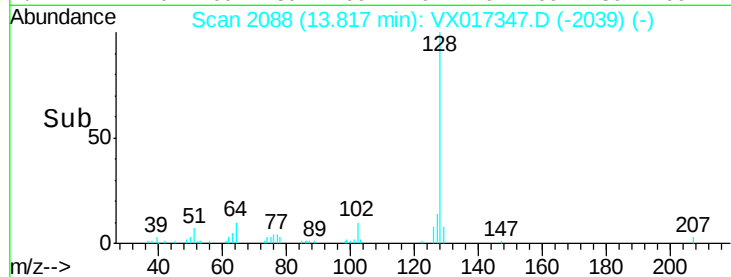
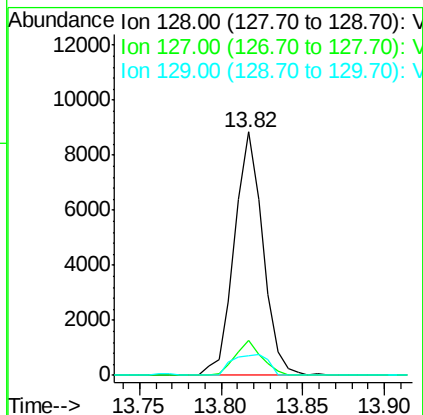
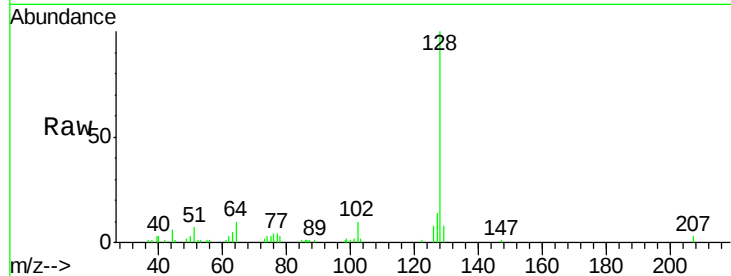
#95
Naphthalene
Concen: 0.800 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.920 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017347.D
Acq: 13 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	48.8	146.3
145	38.3	16.6	49.7

