

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016480.D
 Acq On : 28 May 2020 13:15
 Operator : JC/SP
 Sample : L2730-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:47 AM

Quant Time: May 29 09:18:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	319744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	518851	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	514728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	258003	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	187404	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	5.47	113	150669	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	8.70	98	646623	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	11.12	95	260197	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	8968	2.230	ug/l	90
11) Tert butyl alcohol	3.01	59	19028	18.687	ug/l	99
16) Acetone	2.42	43	3851	2.214	ug/l	93
24) 1,1-Dichloroethane	3.67	63	9102	1.484	ug/l	97
27) cis-1,2-Dichloroethene	4.56	96	1802	0.458	ug/l	54
39) Methylcyclohexane	7.45	83	2633	0.493	ug/l #	85
40) Benzene	6.12	78	375609	25.675	ug/l	98
49) 1,4-Dioxane	7.72	88	3708	35.971	ug/l	93
52) Toluene	8.76	92	6324	0.686	ug/l	99
65) Chlorobenzene	10.12	112	5515089	525.552	ug/l	98
69) o-Xylene	10.68	106	1660	0.247	ug/l	95
73) Isopropylbenzene	11.01	105	3848m	0.215	ug/l	
79) 2-Chlorotoluene	11.40	91	4519	0.371	ug/l	91
83) tert-Butylbenzene	11.76	119	80295	6.296	ug/l	97
85) sec-Butylbenzene	11.93	105	23826	1.489	ug/l #	56
87) 1,3-Dichlorobenzene	12.01	146	41670	5.130	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	145662	17.533	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	243616	30.955	ug/l	98

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

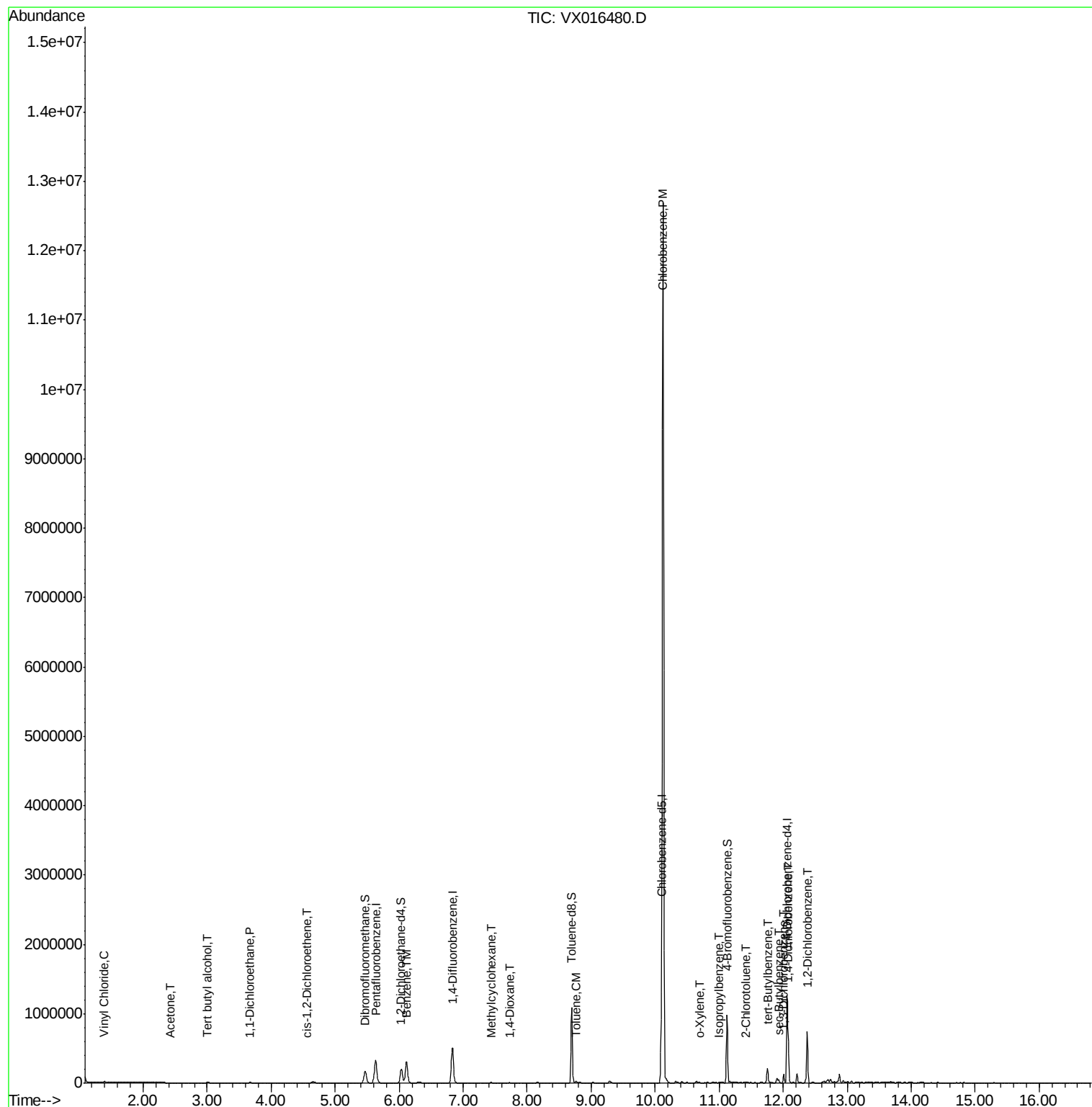
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052820\
Data File : VX016480.D
Acq On : 28 May 2020 13:15
Operator : JC/SP
Sample : L2730-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:47 AM

Quant Time: May 29 09:18:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

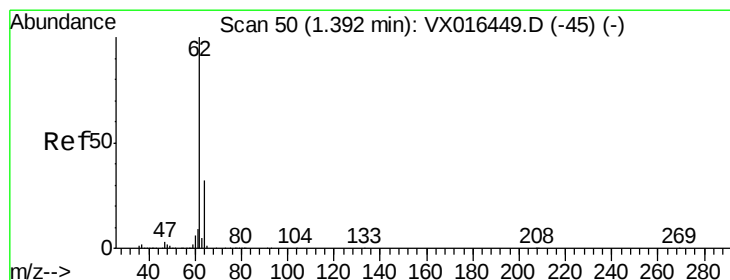
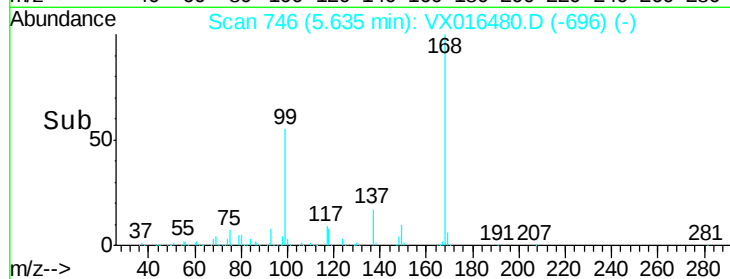
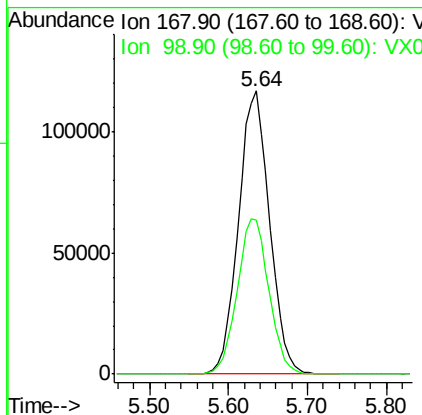
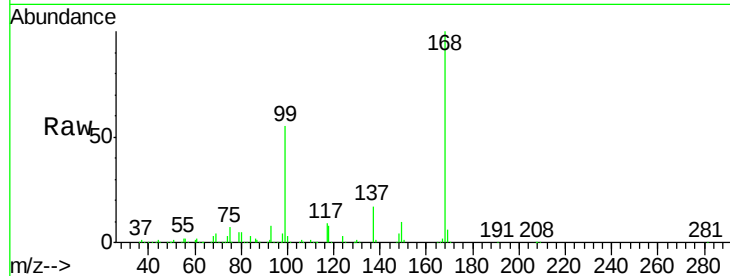
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.6	45.2	67.8

Manual Integrations
 APPROVED

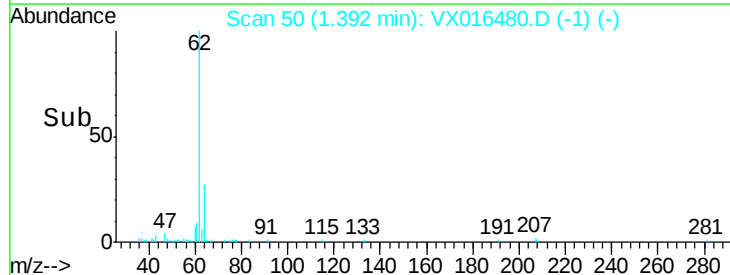
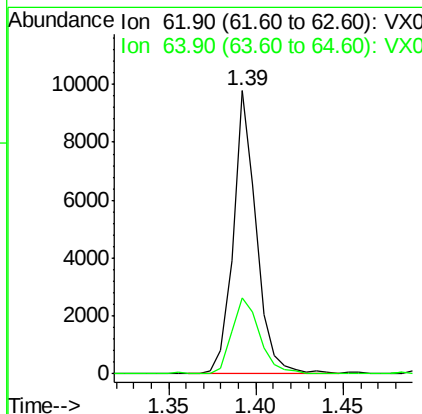
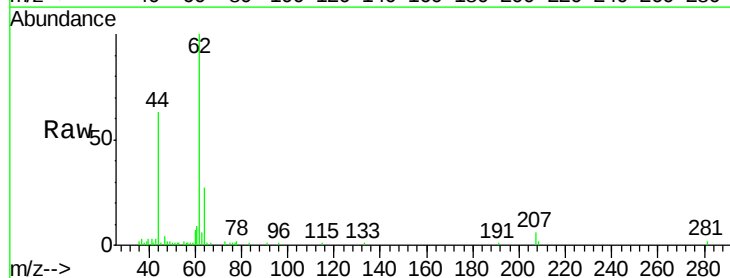
MMDadoda
 5/29/2020 10:57:47 AM

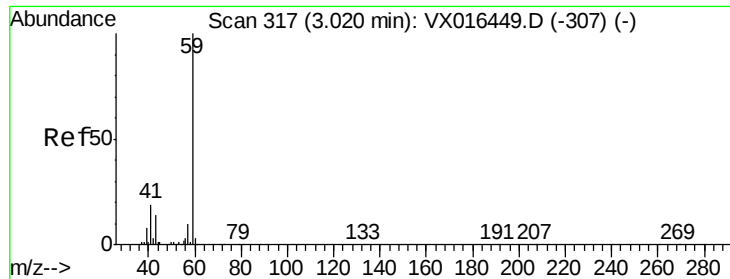


#4

Vinyl Chloride
 Concen: 2.230 ug/l
 RT: 1.39 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
62	100		
64	27.0	25.9	38.9





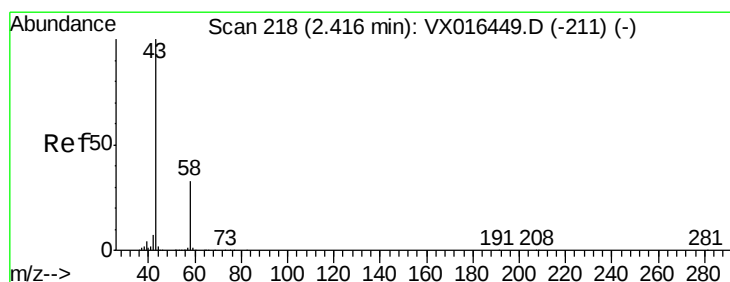
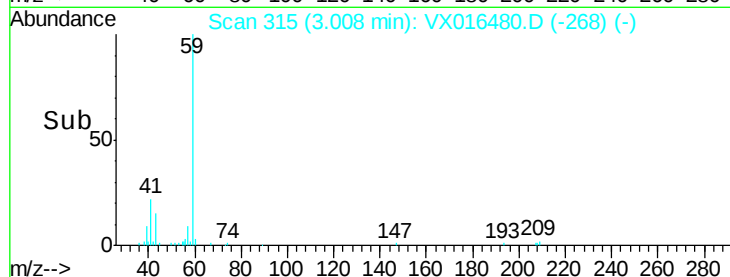
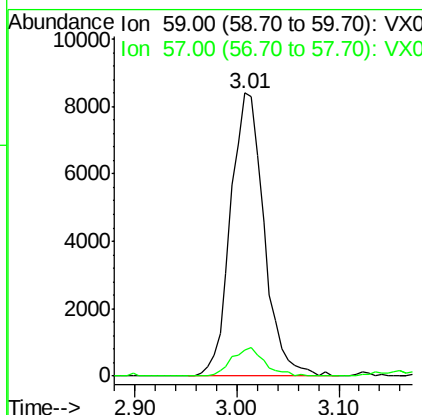
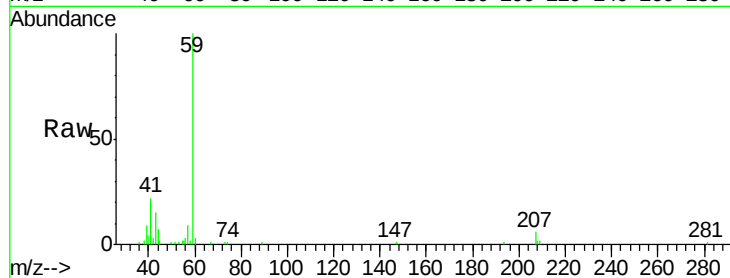
#11
Tert butyl alcohol
Concen: 18.687 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520

Tot Ion	59	Resp	19028
Ion Ratio	100	Lower	Upper
57	9.9	8.2	12.4

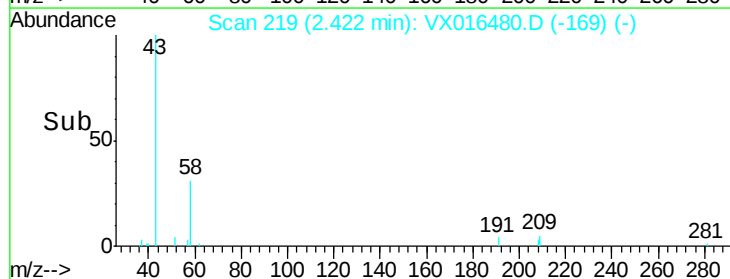
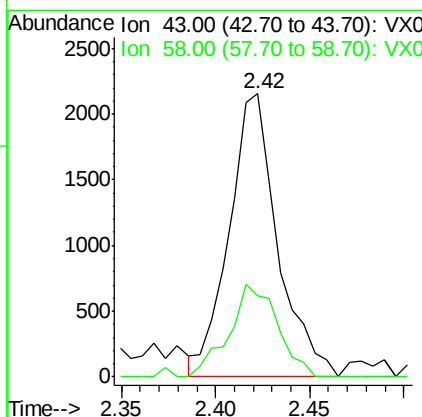
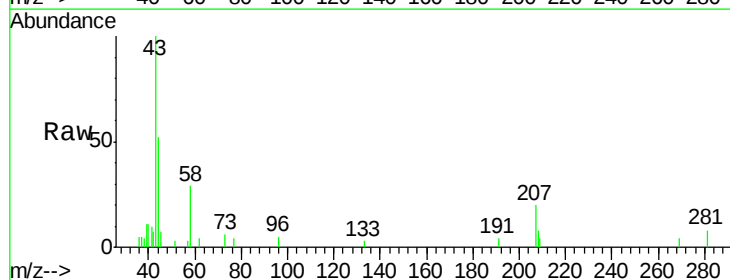
Manual Integrations
APPROVED

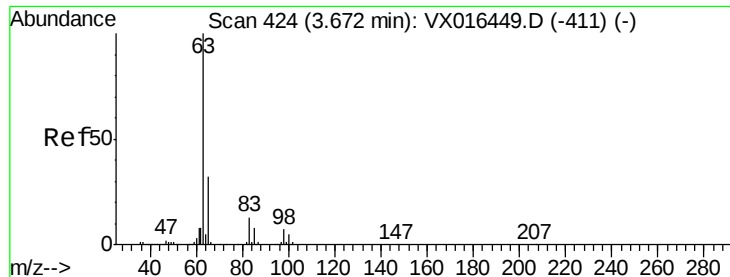
MMDadoda
5/29/2020 10:57:47 AM



#16
Acetone
Concen: 2.214 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Tgt Ion	43	Resp	3851
Ion Ratio	100	Lower	Upper
58	28.9	26.1	39.1





#24

1,1-Dichloroethane

Concen: 1.484 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

Instrument :

MSVOA_X

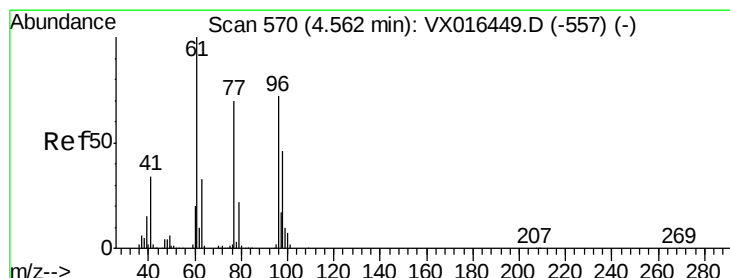
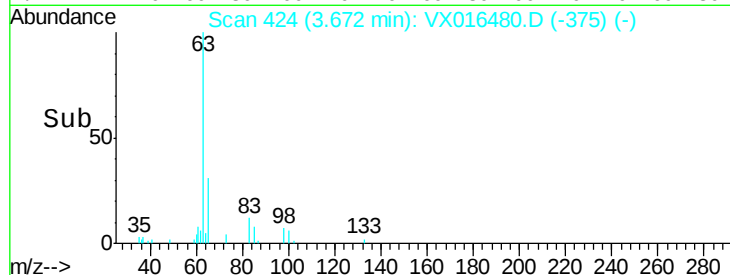
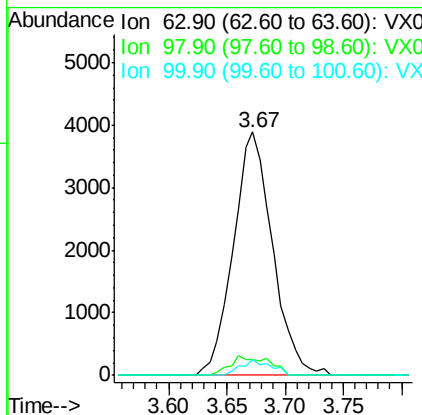
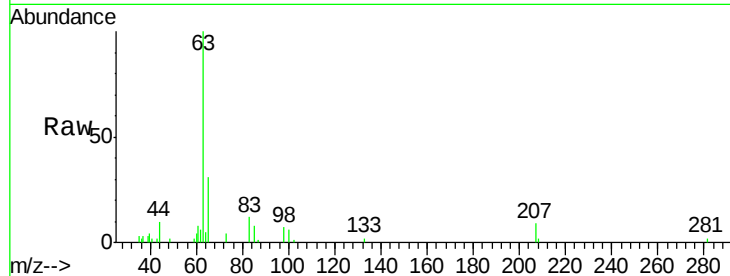
ClientSampleId :

Z2-DUP-0558-200520

Tot Ion:	63	Resp:	9102
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.9
100	6.3	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:47 AM



#27

cis-1,2-Dichloroethene

Concen: 0.458 ug/l

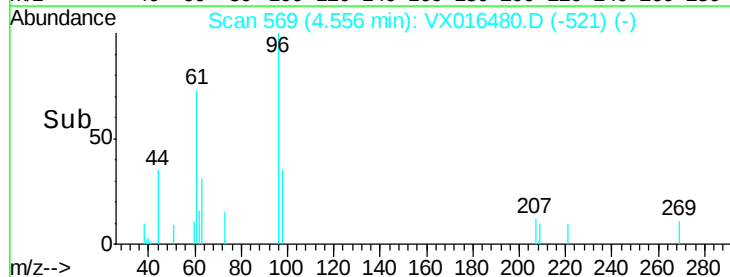
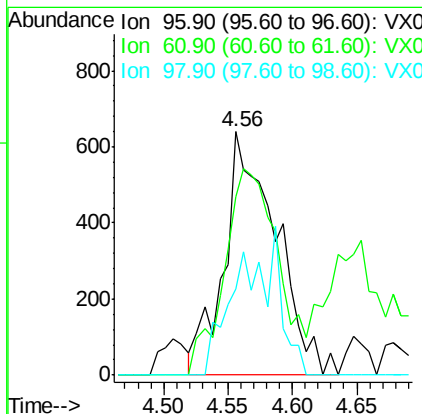
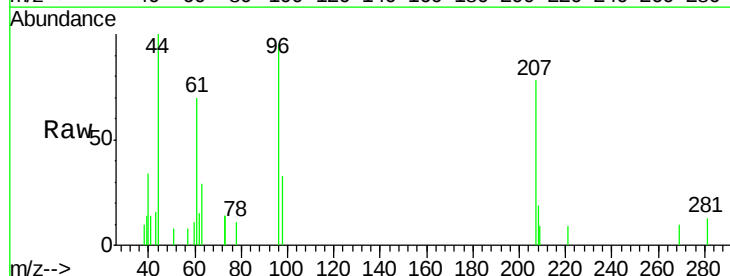
RT: 4.56 min Scan# 569

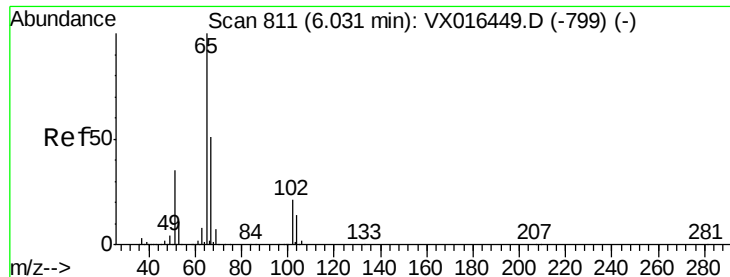
Delta R.T. -0.01 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

Tgt Ion:	96	Resp:	1802
Ion	Ratio	Lower	Upper
96	100		
61	87.6	0.0	284.6
98	24.9	0.0	127.2





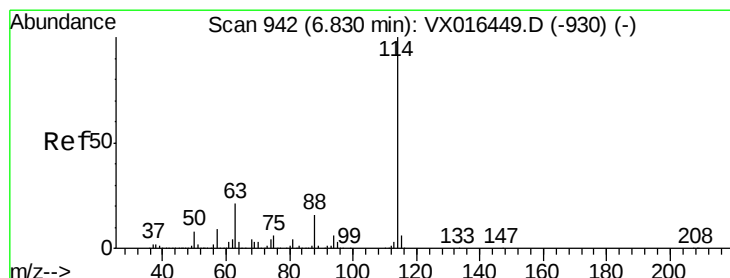
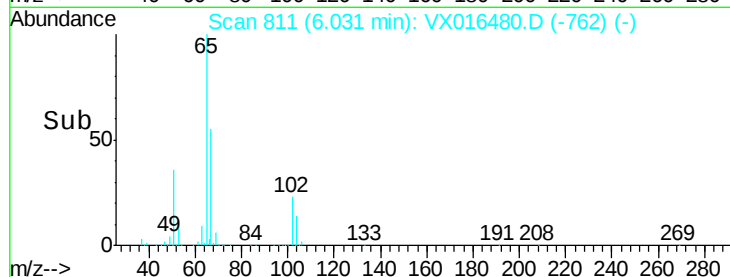
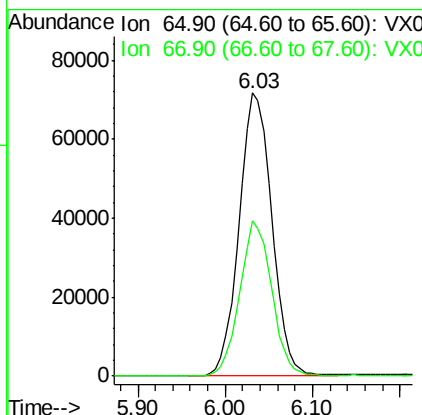
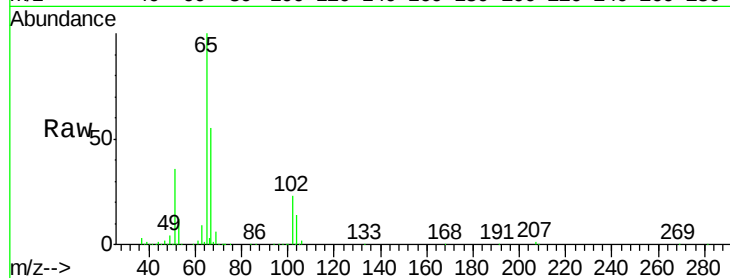
#33
 1,2-Dichloroethane-d4
 Concen: 47.195 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	104.8

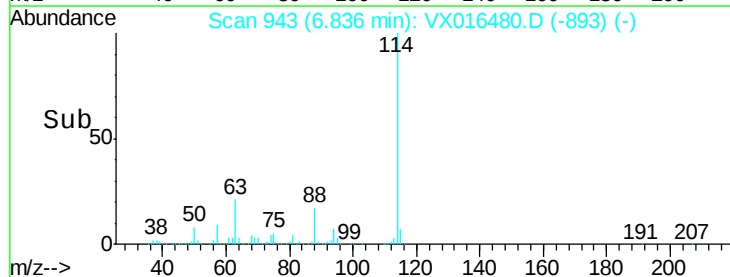
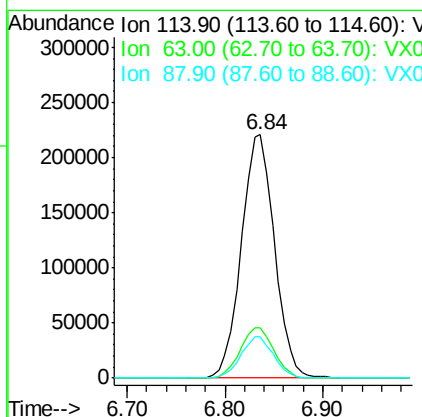
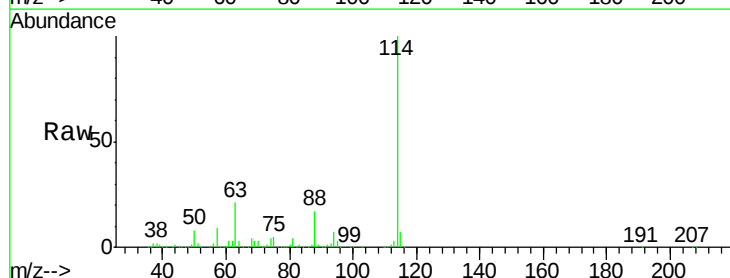
Manual Integrations
 APPROVED

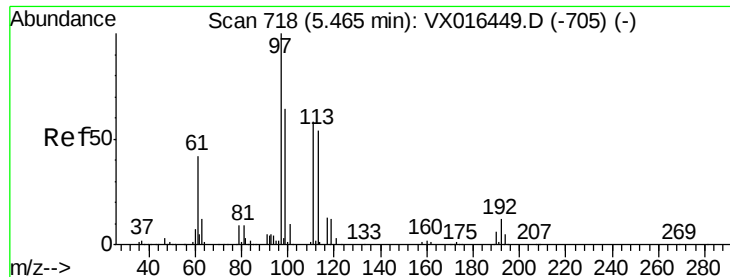
MMDadoda
 5/29/2020 10:57:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.6
88	16.8	0.0	32.8





#35

Dibromofluoromethane

Concen: 47.161 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

Instrument :

MSVOA_X

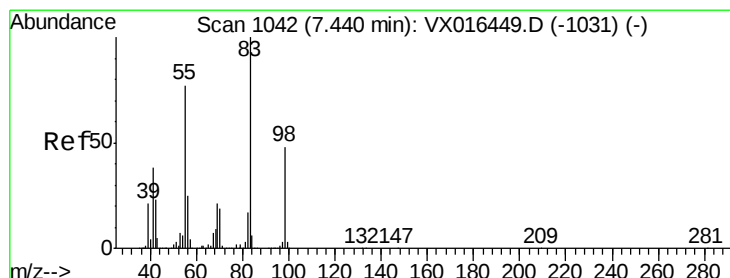
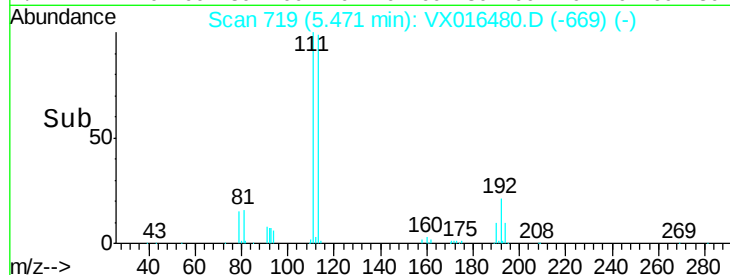
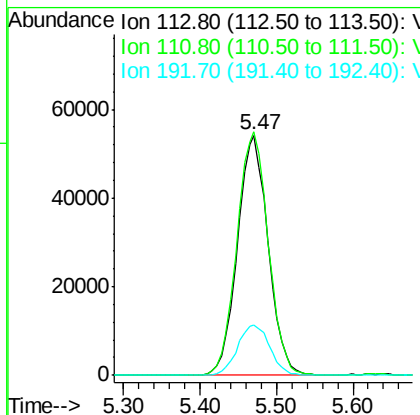
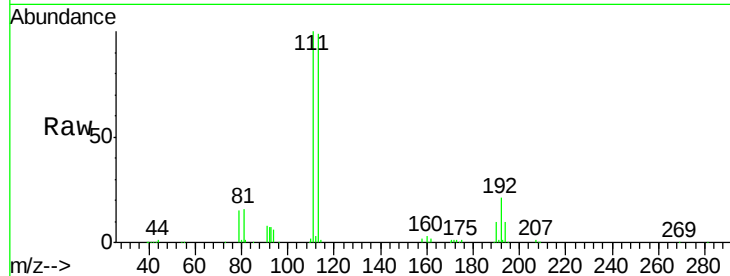
ClientSampleId :

Z2-DUP-0558-200520

Tot Ion:	113	Resp:	150669
Ion Ratio	Lower	Upper	
113	100		
111	103.7	83.0	124.6
192	22.2	17.7	26.5

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:47 AM



#39

Methylcyclohexane

Concen: 0.493 ug/l

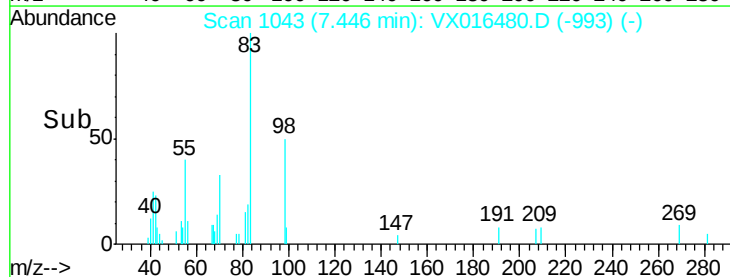
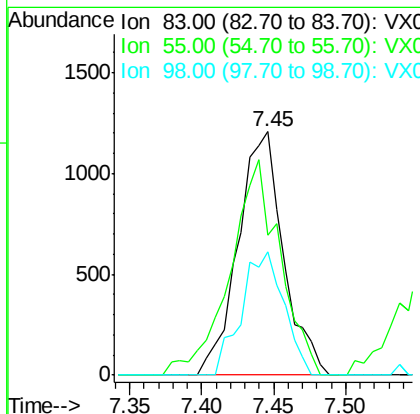
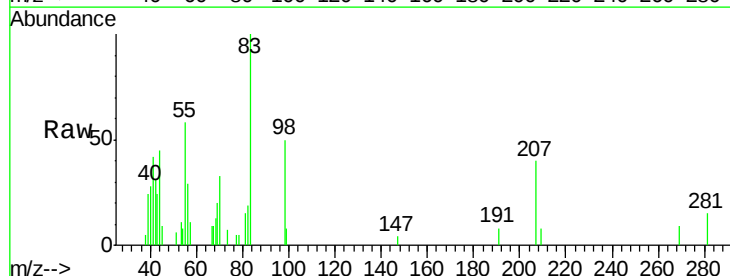
RT: 7.45 min Scan# 1043

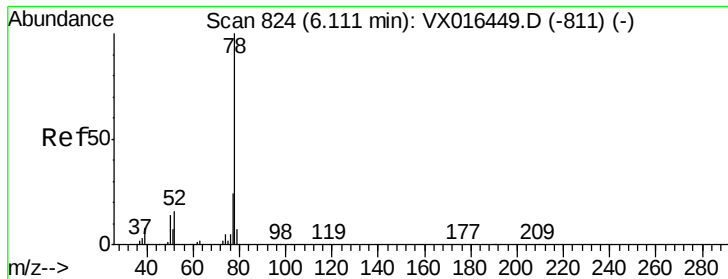
Delta R.T. 0.01 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

Tgt Ion:	83	Resp:	2633
Ion Ratio	Lower	Upper	
83	100		
55	57.5	61.7	92.5#
98	50.4	38.7	58.1





#40

Benzene

Concen: 25.675 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0558-200520

Tot Ion: 78 Resp: 375609

Ion Ratio Lower Upper

78 100

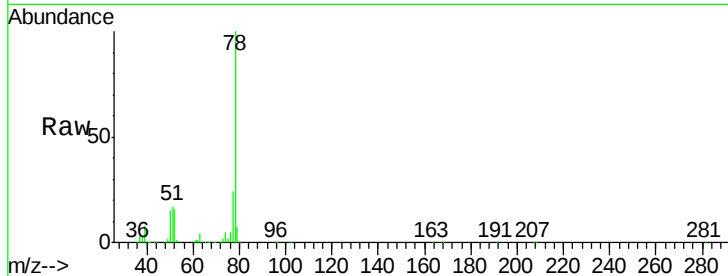
77 24.4 18.9 28.3

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:47 AM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

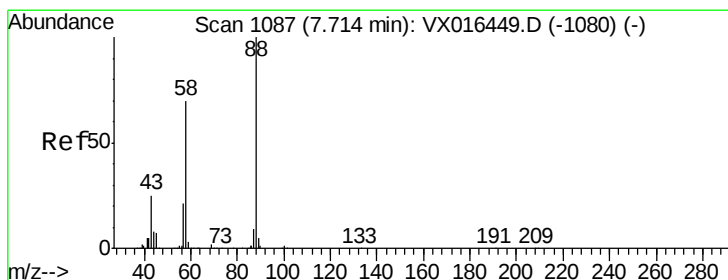
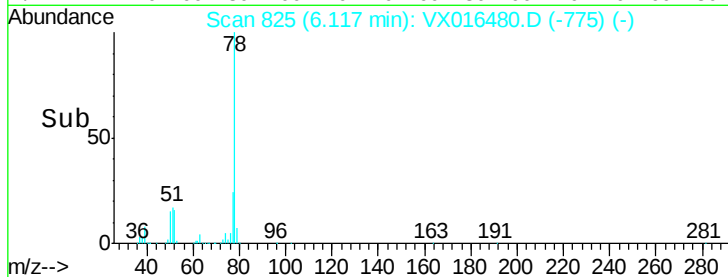
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 35.971 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

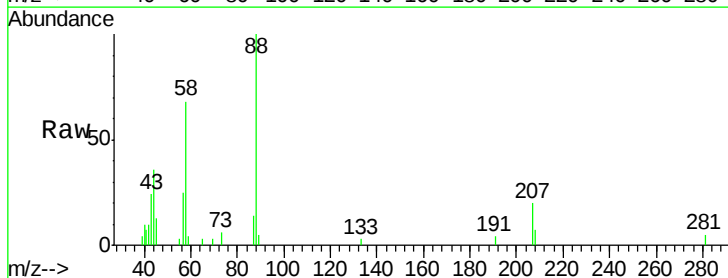
Tgt Ion: 88 Resp: 3708

Ion Ratio Lower Upper

88 100

43 24.5 24.2 36.4

58 66.1 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.72

2500

2000

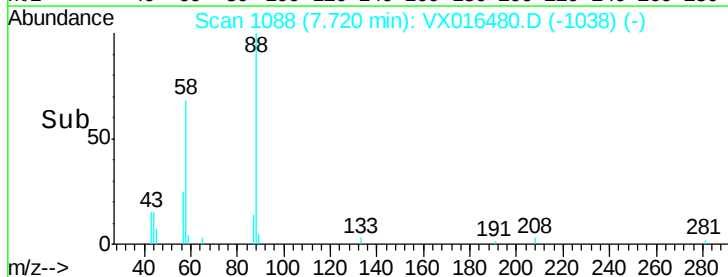
1500

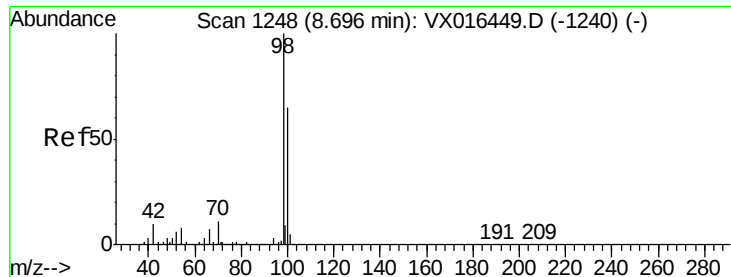
1000

500

0

Time-->





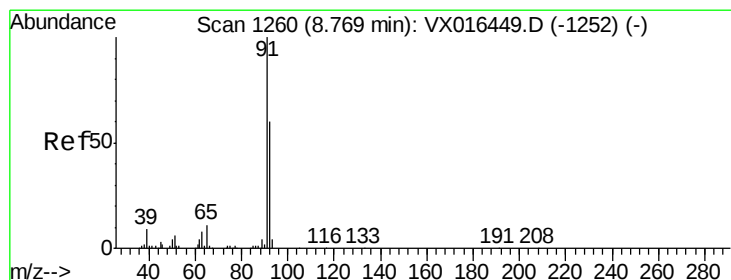
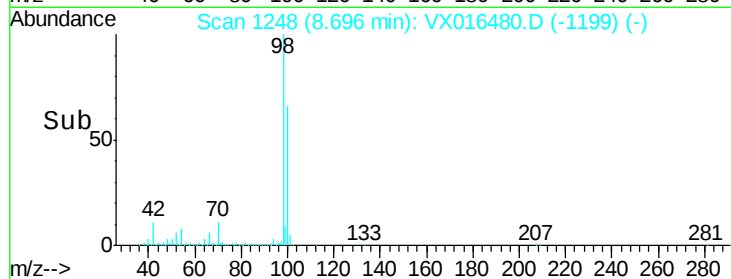
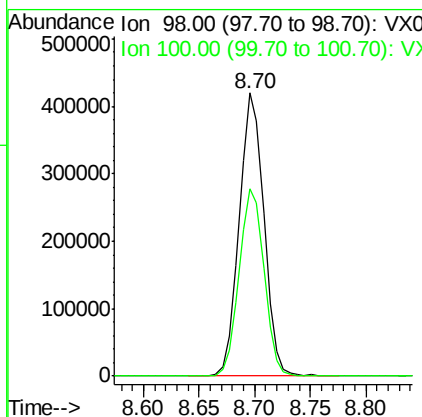
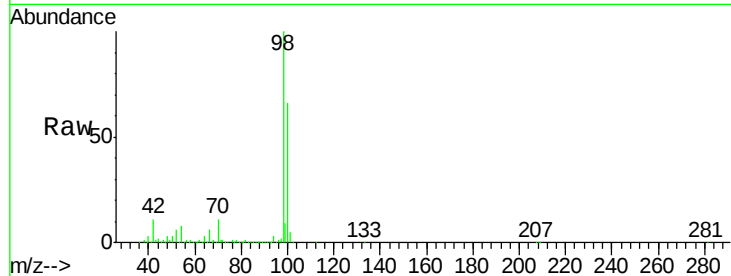
#50
Toluene-d8
Concen: 52.001 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520

Tot Ion: 98 Resp: 646623
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.6

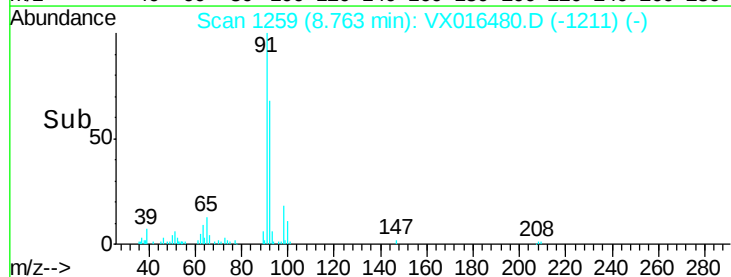
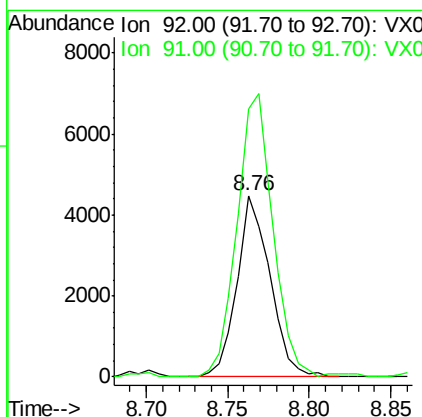
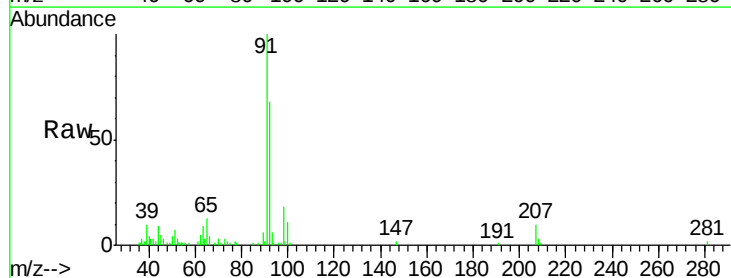
Manual Integrations
APPROVED

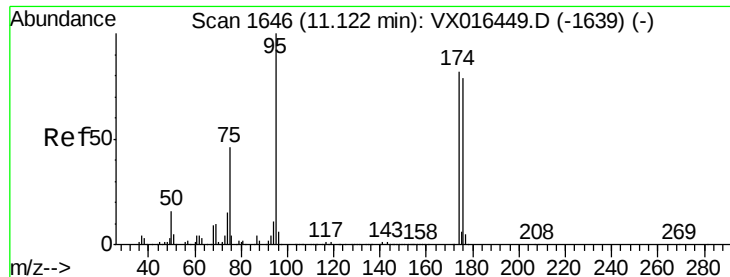
MMDadoda
5/29/2020 10:57:47 AM



#52
Toluene
Concen: 0.686 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Tgt Ion: 92 Resp: 6324
Ion Ratio Lower Upper
92 100
91 170.5 135.0 202.4





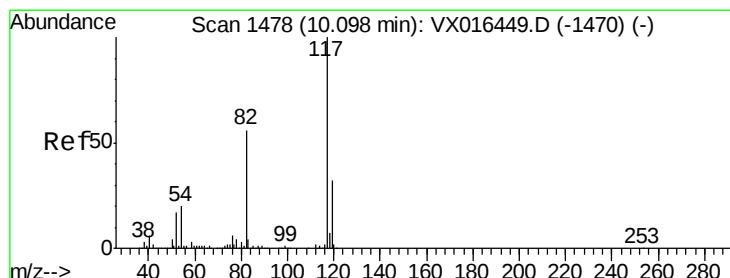
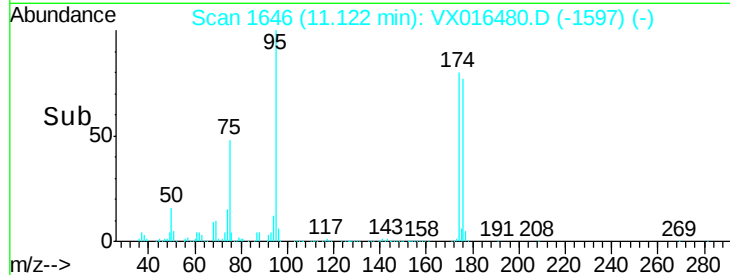
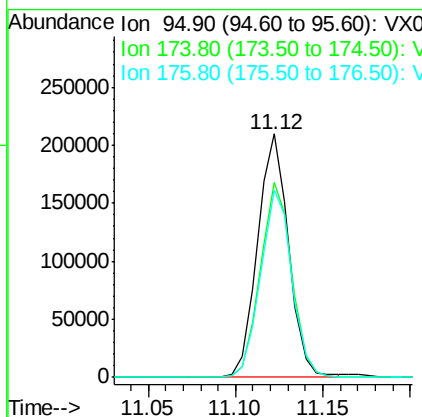
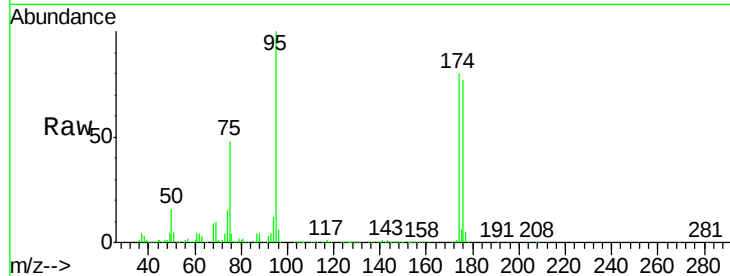
#62
4-Bromofluorobenzene
Concen: 54.153 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520

Tot Ion	Ratio	Resp	Lower	Upper
95	100	260197		
174	81.3	0.0	163.0	
176	78.1	0.0	156.8	

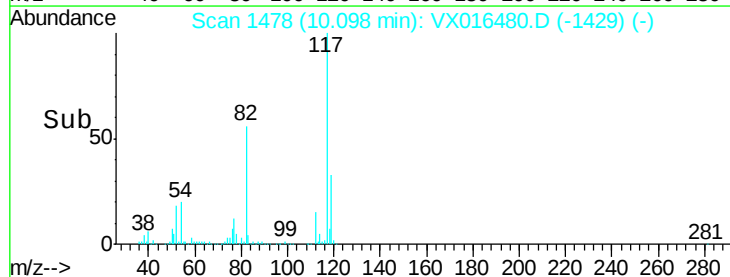
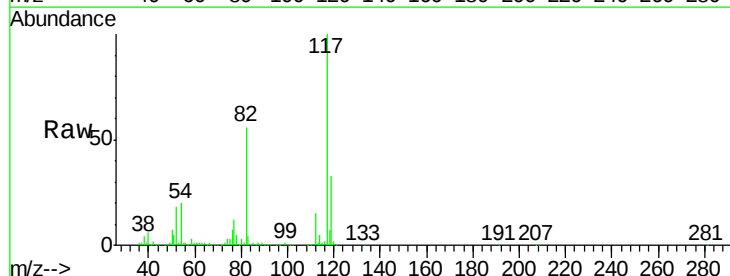
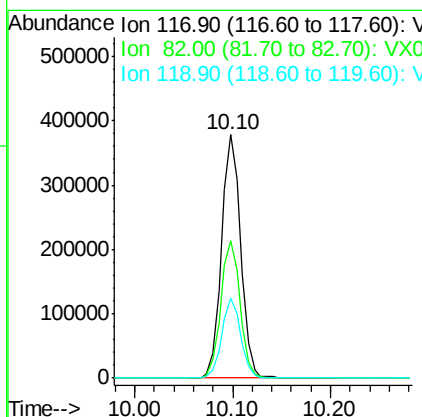
Manual Integrations
APPROVED

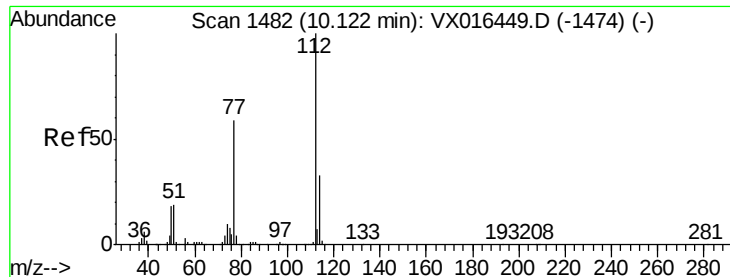
MMDadoda
5/29/2020 10:57:47 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	514728		
82	56.5	45.0	67.6	
119	33.0	25.8	38.8	





#65

Chlorobenzene

Concen: 525.552 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0558-200520

Tot Ion:112 Resp: 5515089

Ion Ratio Lower Upper

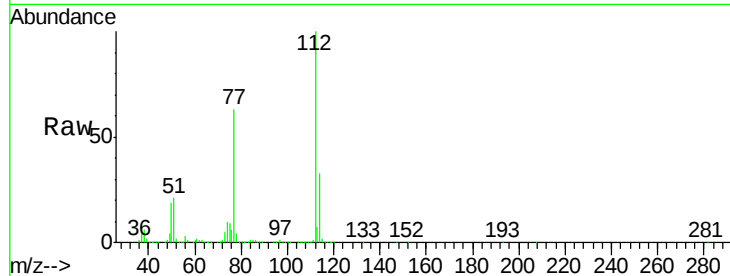
112 100

114 33.5 26.0 39.0

Manual Integrations
APPROVED

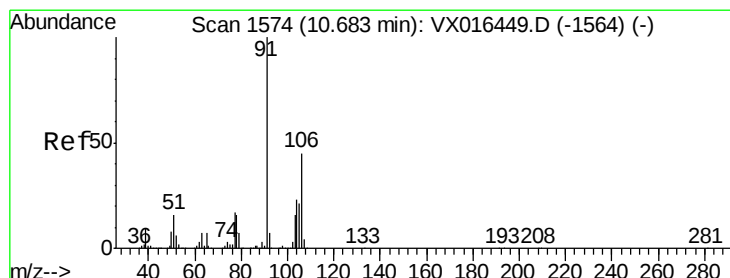
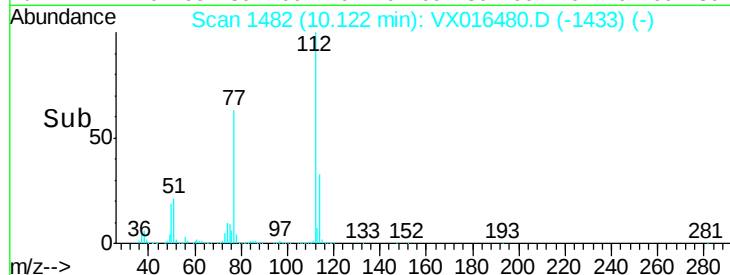
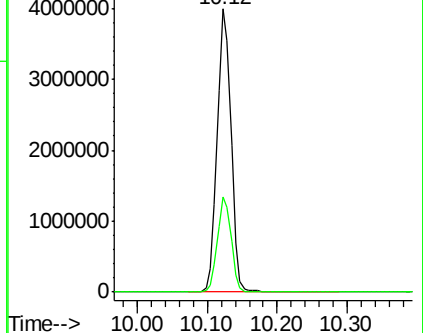
MMDadoda

5/29/2020 10:57:47 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#69

o-Xylene

Concen: 0.247 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016480.D

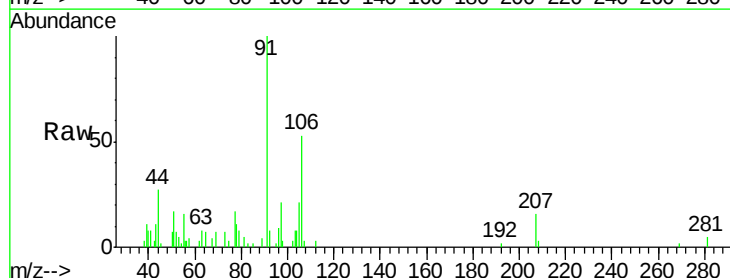
Acq: 28 May 2020 13:15

Tgt Ion:106 Resp: 1660

Ion Ratio Lower Upper

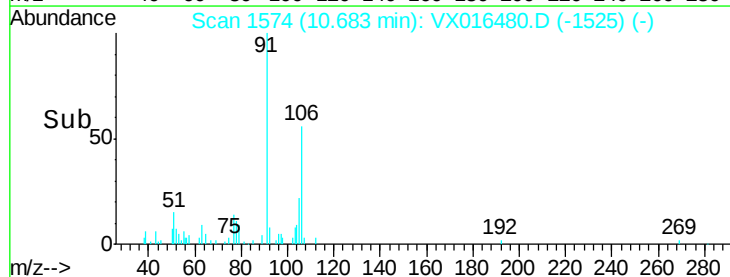
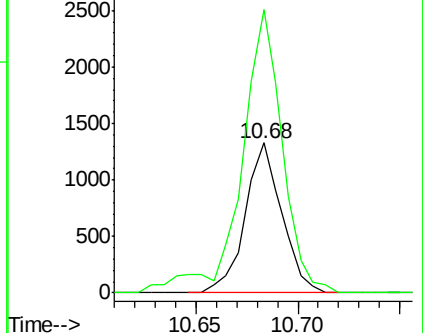
106 100

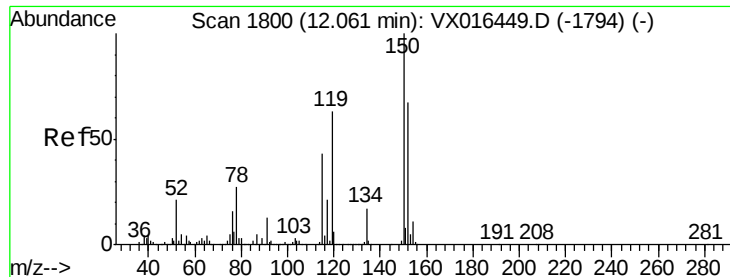
91 210.5 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016480.D

Acq: 28 May 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0558-200520

Tot Ion:152 Resp: 258003

Ion Ratio Lower Upper

152 100

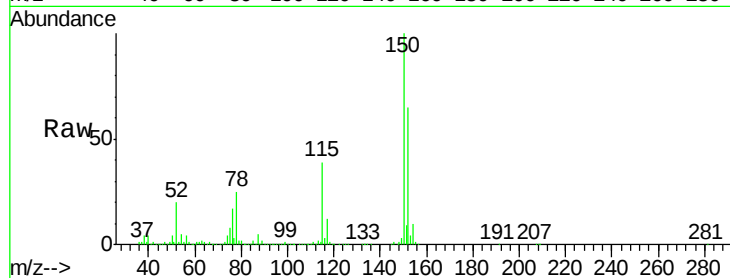
115 59.4 39.9 119.6

150 162.0 0.0 341.0

Manual Integrations
APPROVED

MMDadoda

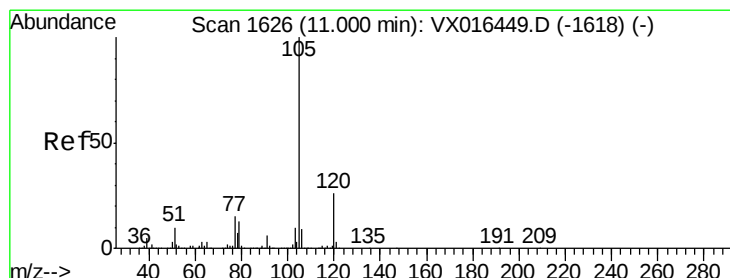
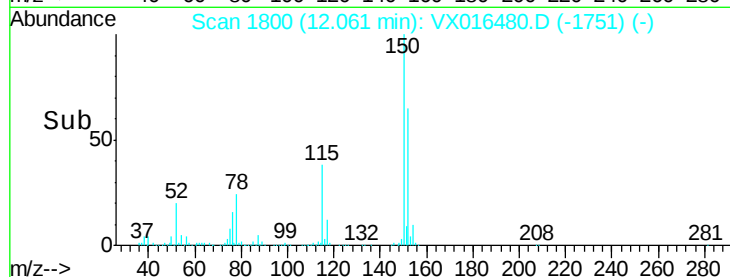
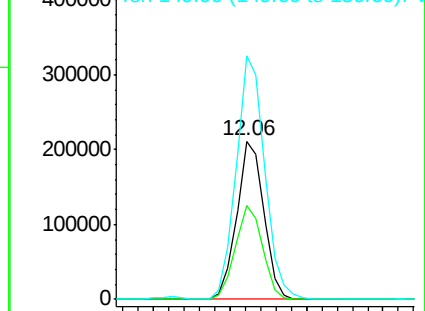
5/29/2020 10:57:47 AM



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: 0.215 ug/l m

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016480.D

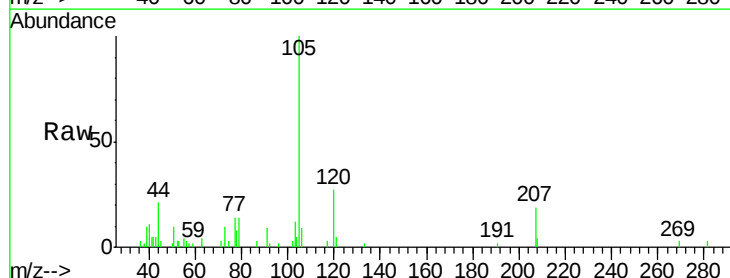
Acq: 28 May 2020 13:15

Tgt Ion:105 Resp: 3848

Ion Ratio Lower Upper

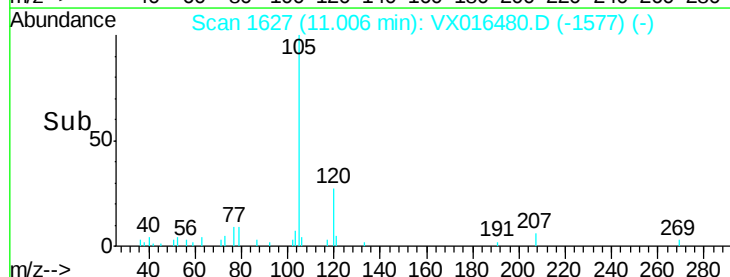
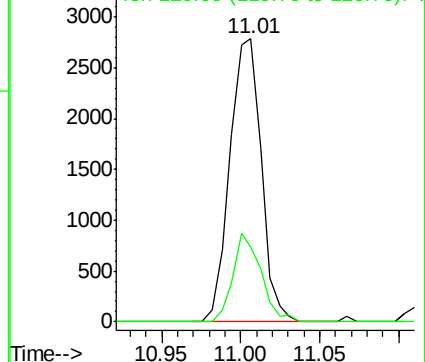
105 100

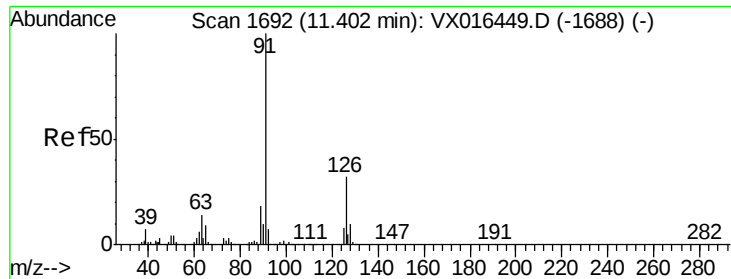
120 0.0 13.1 39.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





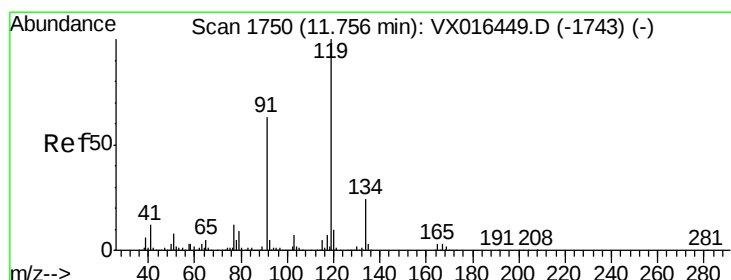
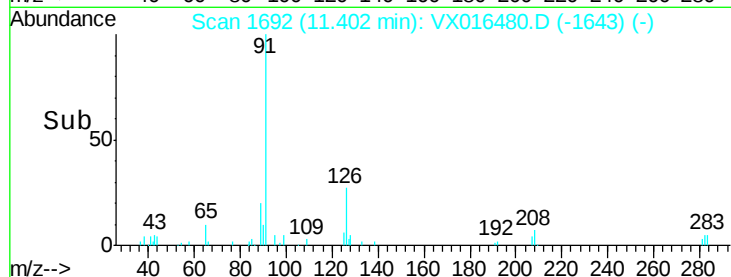
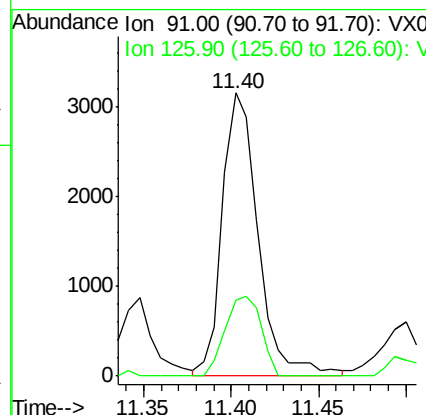
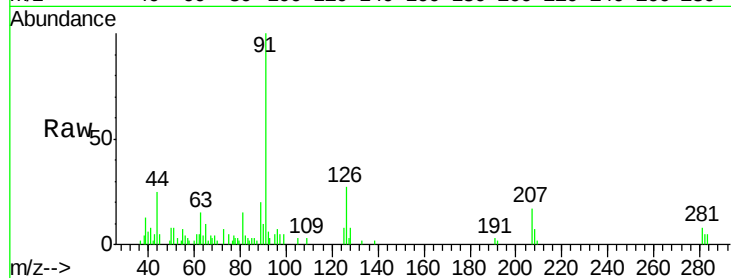
#79
2-Chlorotoluene
Concen: 0.371 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0558-200520

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.2	16.8	50.3

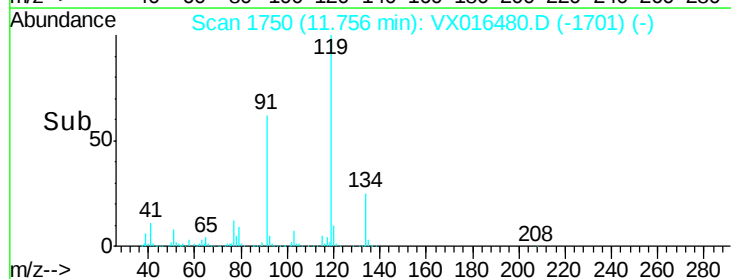
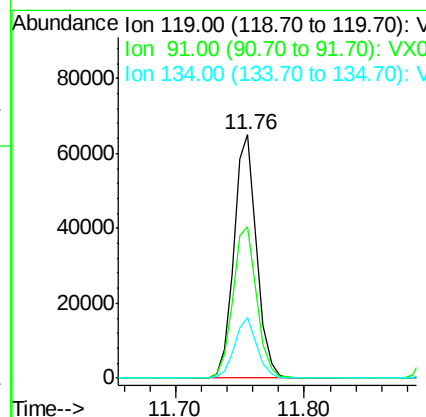
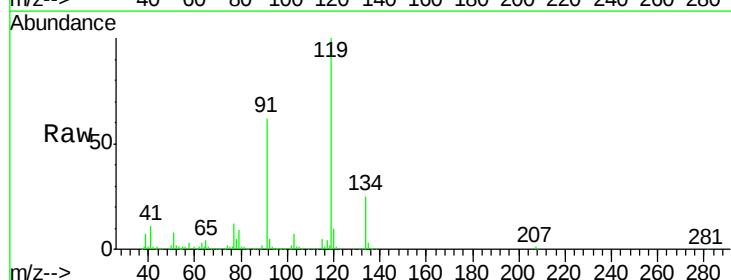
Manual Integrations
APPROVED

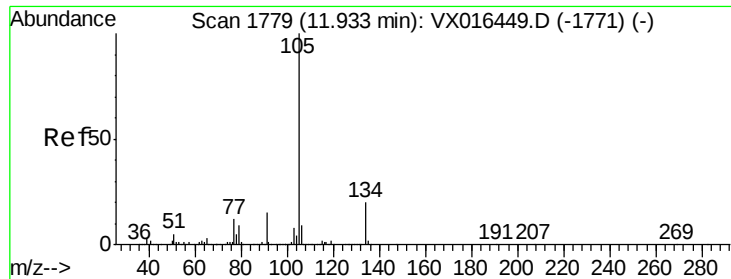
MMDadoda
5/29/2020 10:57:47 AM



#83
tert-Butylbenzene
Concen: 6.296 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016480.D
Acq: 28 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.6	31.3	93.8
134	24.4	12.0	36.0





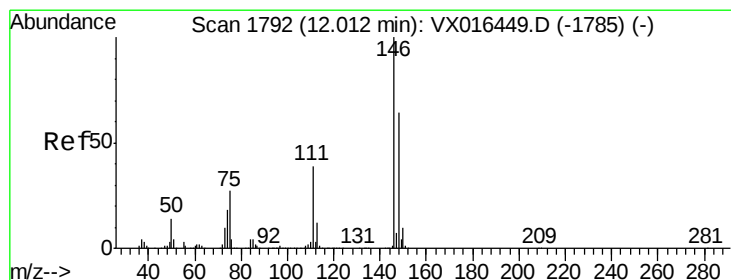
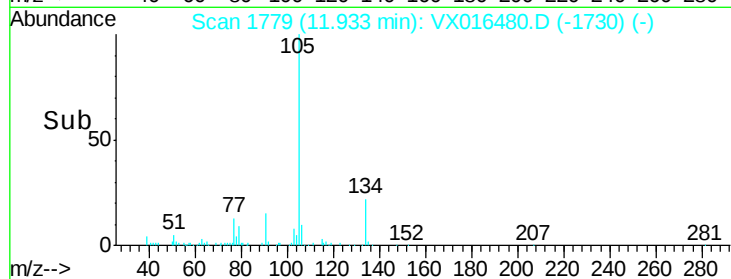
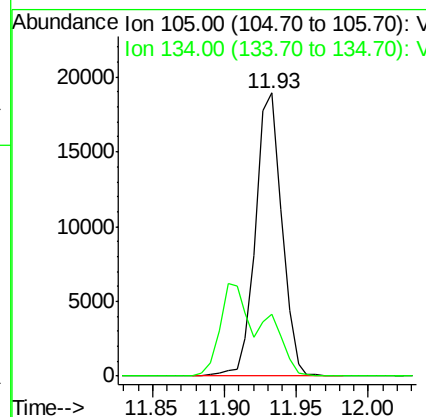
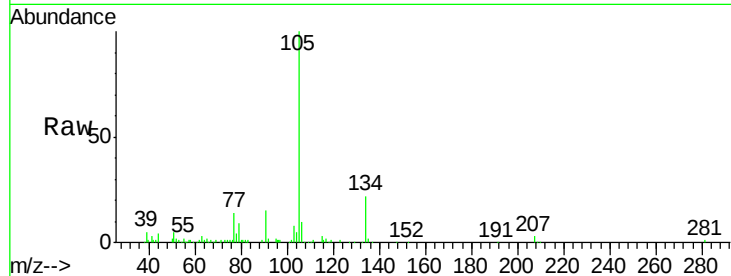
#85
 sec-Butylbenzene
 Concen: 1.489 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.3#

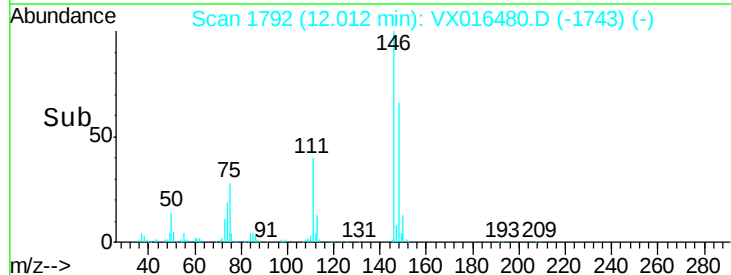
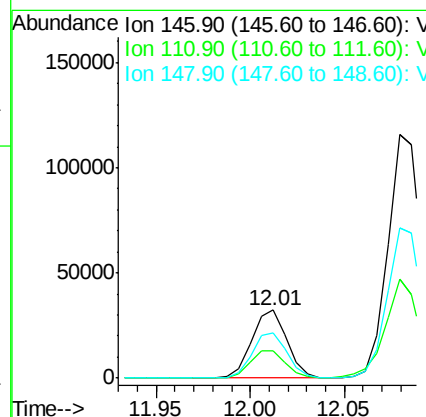
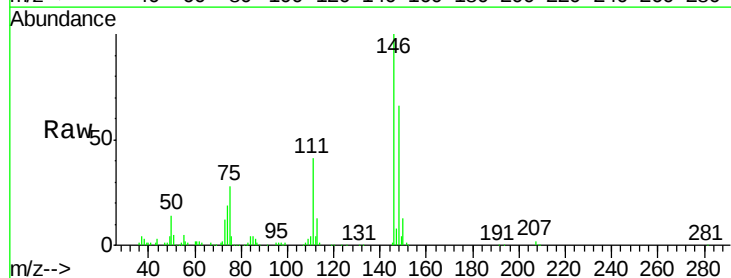
Manual Integrations
 APPROVED

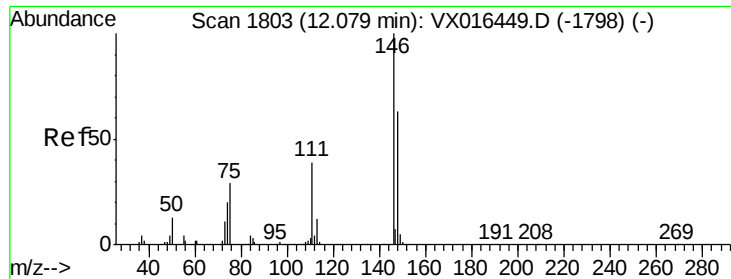
MMDadoda
 5/29/2020 10:57:47 AM



#87
 1,3-Dichlorobenzene
 Concen: 5.130 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	66.8	31.9	95.5





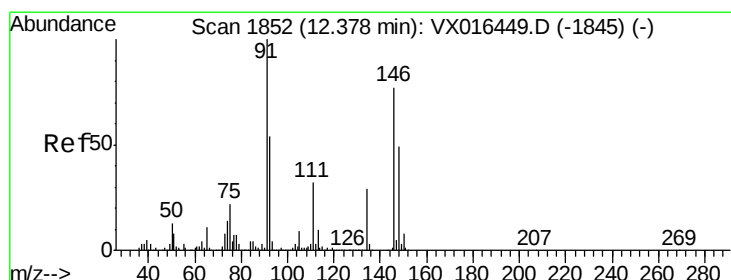
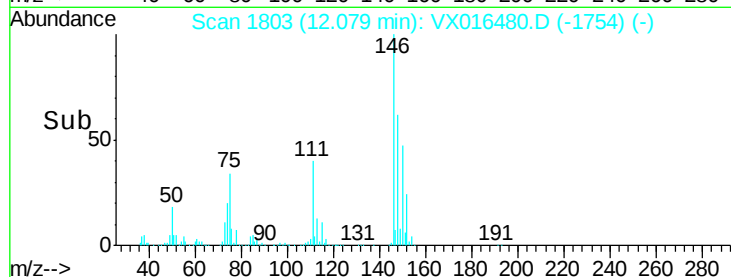
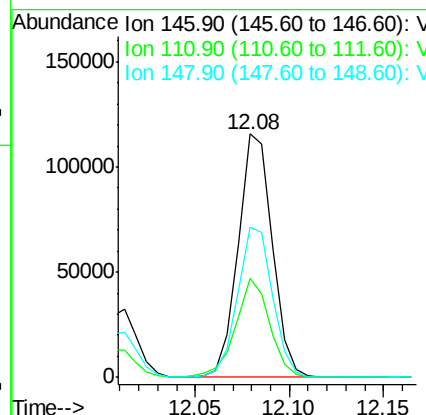
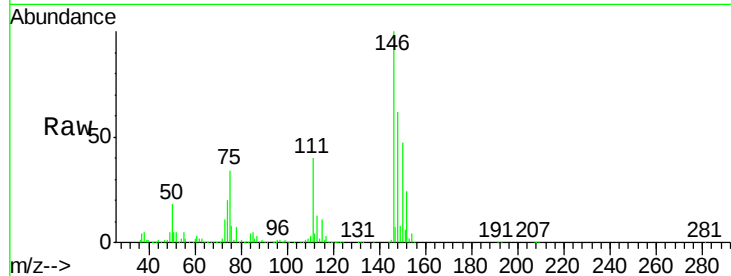
#88
 1,4-Dichlorobenzene
 Concen: 17.533 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0558-200520

Tot Ion	Ratio	Resp	Lower	Upper
146	100	145662		
111	40.7		19.4	58.2
148	63.4		31.4	94.3

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:47 AM



#91
 1,2-Dichlorobenzene
 Concen: 30.955 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016480.D
 Acq: 28 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	243616		
111	41.4		21.4	64.3
148	62.9		31.9	95.7

