

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO051420\
 Data File : VX016245.D
 Acq On : 14 May 2020 20:33
 Operator : JC/SP
 Sample : L2644-06 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 12:29:28 PM

Quant Time: May 15 09:26:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	235815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	394676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	384295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	144338	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	5.47	113	115631	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
50) Toluene-d8	8.70	98	486083	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.12	95	196340	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

					Qvalue
16) Acetone	2.42	43	4386	3.168	ug/l 89
17) Carbon Disulfide	2.55	76	6036	0.616	ug/l 98
20) Methylene Chloride	2.84	84	2136	0.748	ug/l 90
25) 2-Butanone	4.65	43	3410	1.528	ug/l 100
36) 1,1-Dichloropropene	5.76	75	1281	0.330	ug/l # 83
68) m/p-Xylenes	10.34	106	1622	0.302	ug/l 83
78) n-propylbenzene	11.35	91	3890	0.235	ug/l 99
82) 4-Chlorotoluene	11.49	91	3106	0.269	ug/l 99
86) p-Isopropyltoluene	12.05	119	7836	0.604	ug/l 92
87) 1,3-Dichlorobenzene	12.01	146	2015	0.306	ug/l 89
88) 1,4-Dichlorobenzene	12.08	146	2620m	0.392	ug/l
89) n-Butylbenzene	12.37	91	5634	0.476	ug/l 99
93) 1,2,4-Trichlorobenzene	13.63	180	3130	0.666	ug/l 95
94) Hexachlorobutadiene	13.77	225	2568	1.780	ug/l 94
95) Naphthalene	13.82	128	6826	0.449	ug/l 100
96) 1,2,3-Trichlorobenzene	14.01	180	2967	0.646	ug/l 97

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

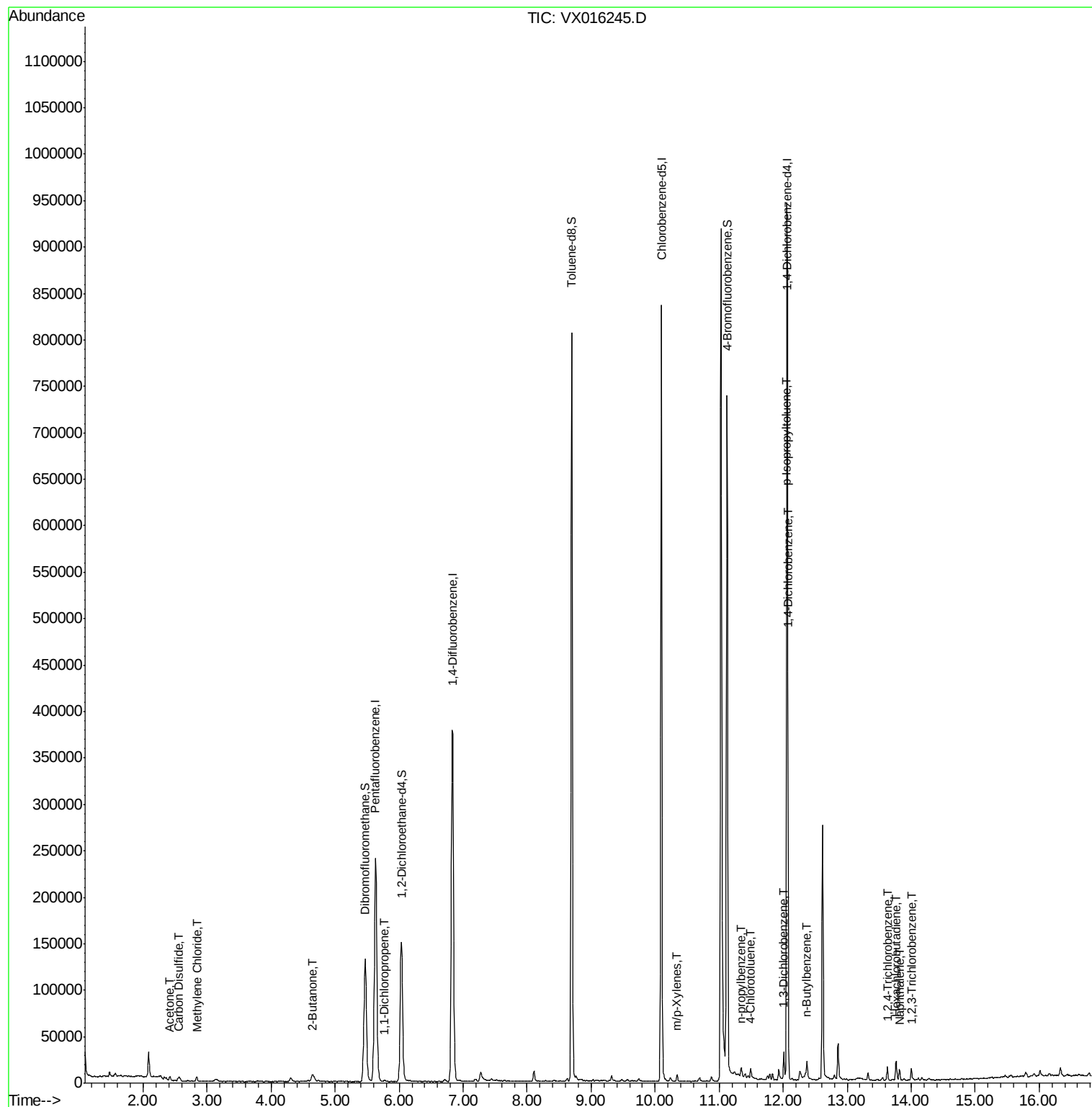
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051420\
Data File : VX016245.D
Acq On : 14 May 2020 20:33
Operator : JC/SP
Sample : L2644-06 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP

Manual Integrations
APPROVED

MMDadoda
5/15/2020 12:29:28 PM

Quant Time: May 15 09:26:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016245.D

Acq: 14 May 2020 20:33

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

Tot Ion:168 Resp: 235815

Ion Ratio Lower Upper

168 100

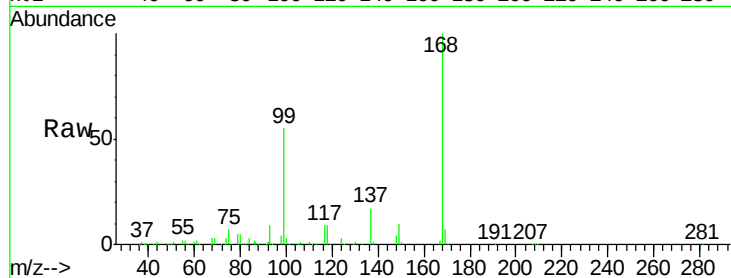
99 55.1 45.0 67.4

Manual Integrations

APPROVED

MMDadoda

5/15/2020 12:29:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

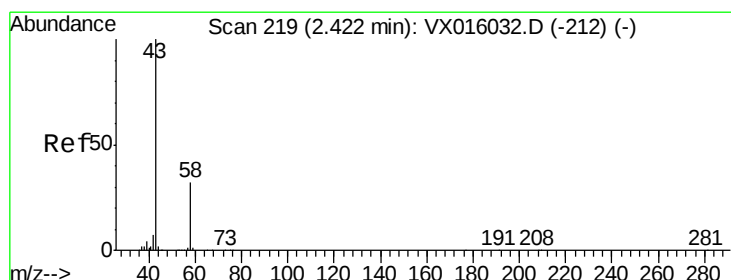
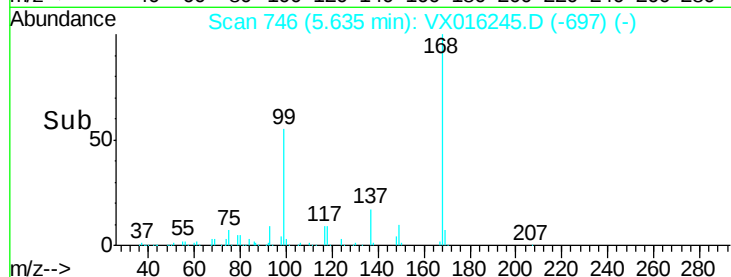
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 3.168 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016245.D

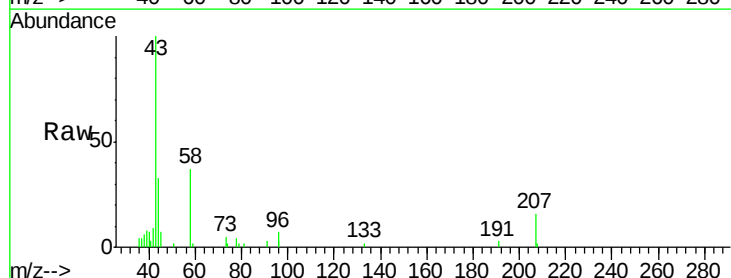
Acq: 14 May 2020 20:33

Tgt Ion: 43 Resp: 4386

Ion Ratio Lower Upper

43 100

58 38.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2500

2000

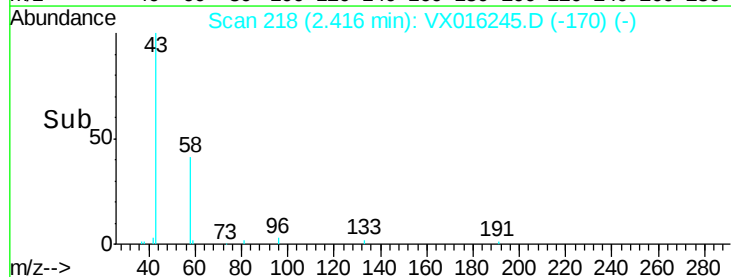
1500

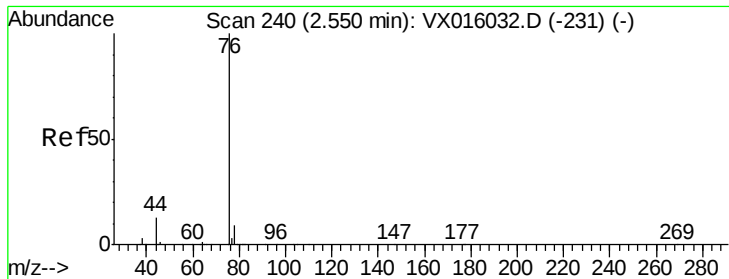
1000

500

0

Time-->





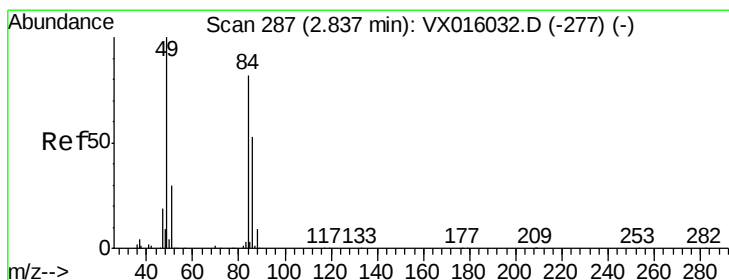
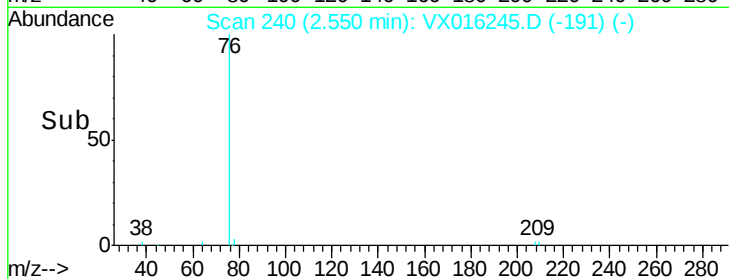
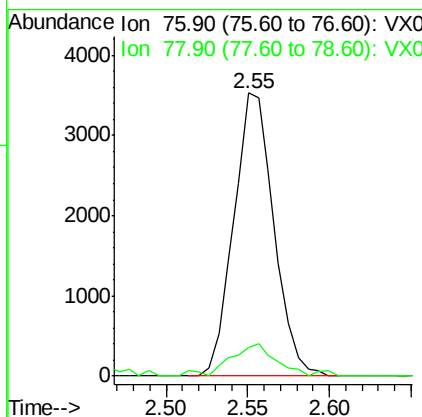
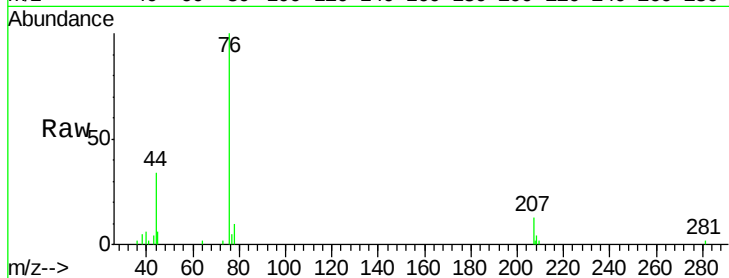
#17
Carbon Disulfide
Concen: 0.616 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016245.D
Acq: 14 May 2020 20:33

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.5	11.3

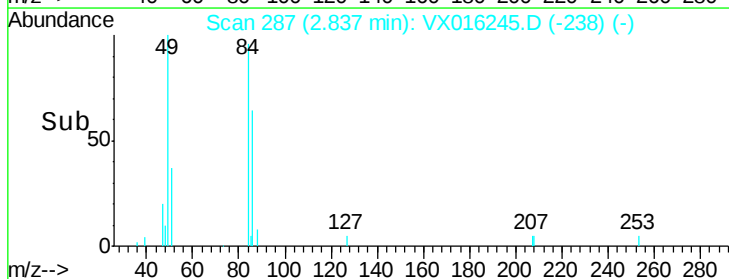
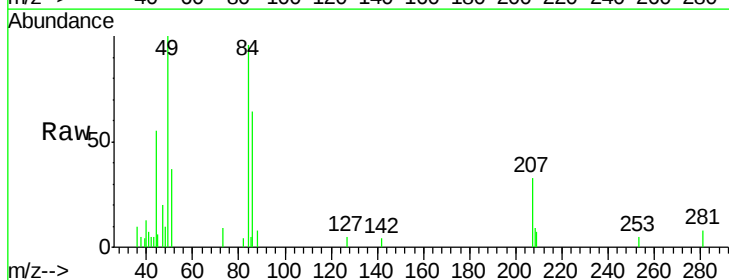
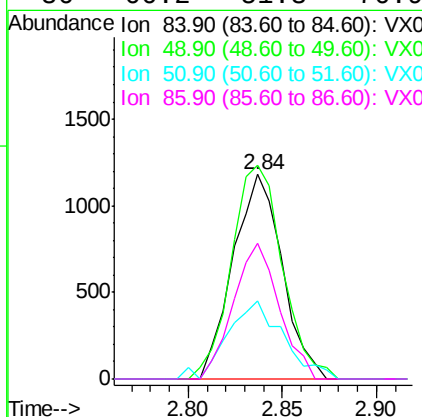
Manual Integrations
APPROVED

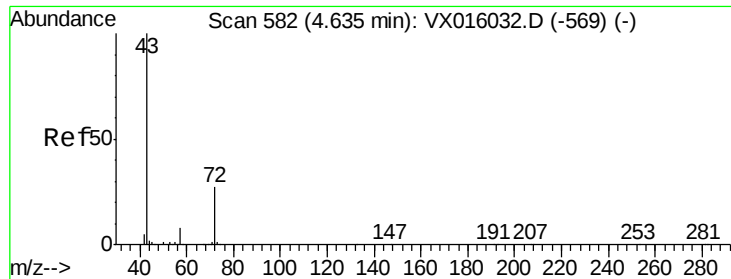
MMDadoda
5/15/2020 12:29:28 PM



#20
Methylene Chloride
Concen: 0.748 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016245.D
Acq: 14 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.3	97.3	145.9
51	38.3	29.3	43.9
86	66.2	51.3	76.9





#25

2-Butanone

Concen: 1.528 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016245.D

Acq: 14 May 2020 20:33

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

Tot Ion: 43 Resp: 3410

Ion Ratio Lower Upper

43 100

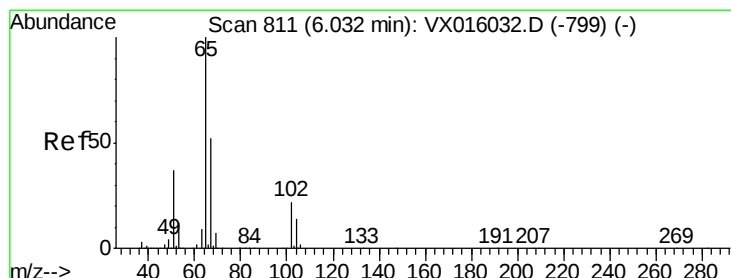
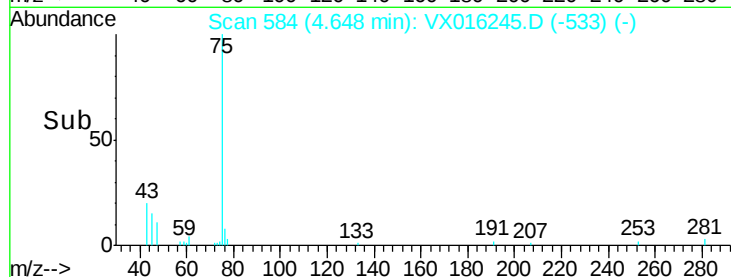
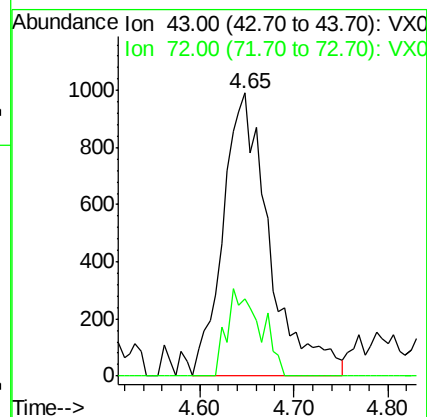
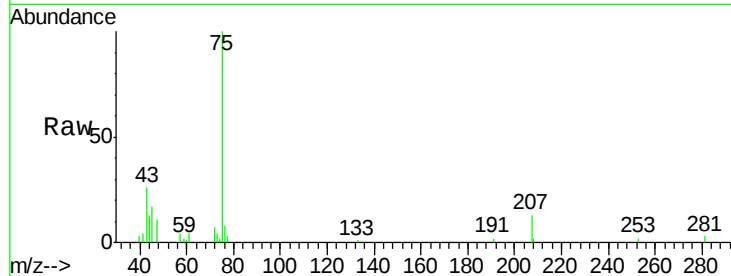
72 27.4 21.8 32.8

Manual Integrations

APPROVED

MMDadoda

5/15/2020 12:29:28 PM



#33

1,2-Dichloroethane-d4

Concen: 46.514 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016245.D

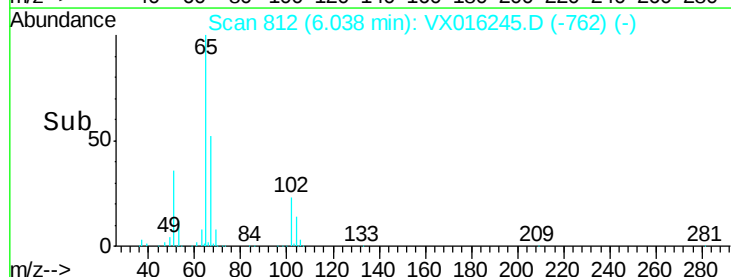
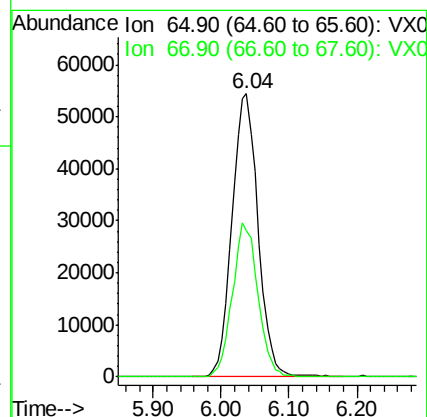
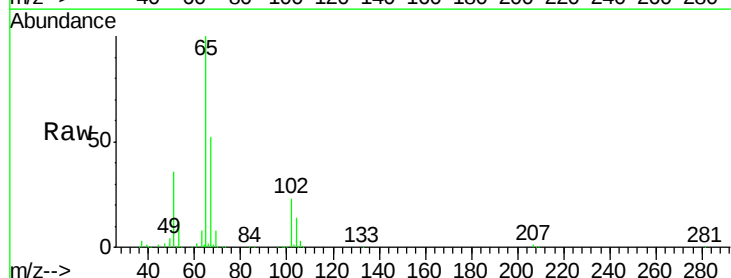
Acq: 14 May 2020 20:33

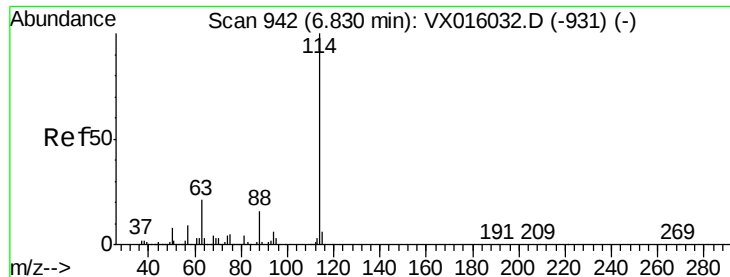
Tgt Ion: 65 Resp: 144338

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016245.D

Acq: 14 May 2020 20:33

Instrument :

MSVOA_X

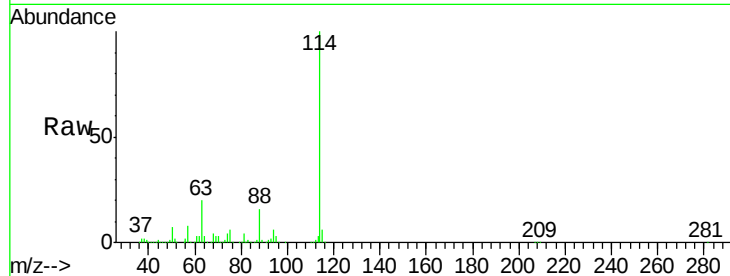
ClientSampleId :

DRUM-COMP

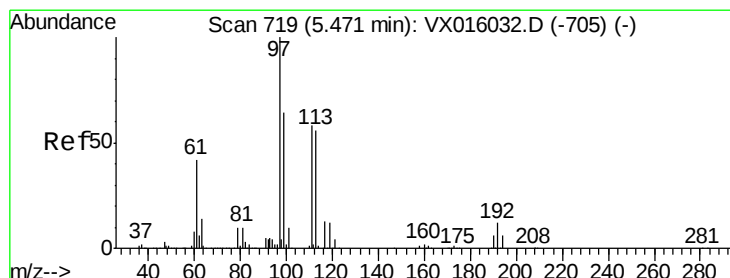
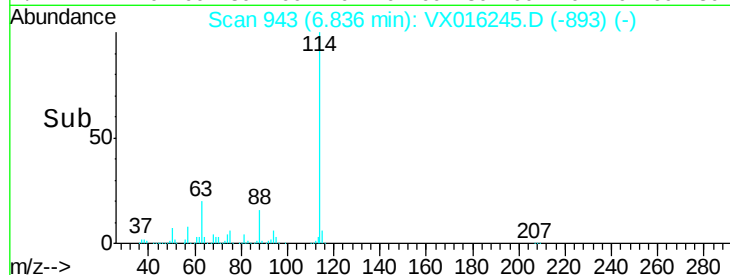
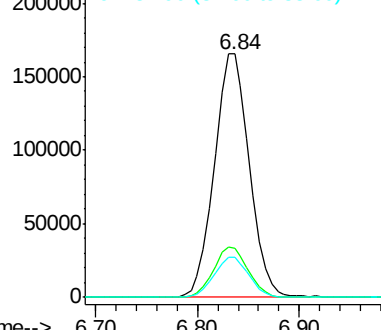
Tot Ion:	114	Resp:	394676
Ion Ratio		Lower	Upper
114	100		
63	20.1	0.0	42.8
88	16.2	0.0	31.4

Manual Integrations
APPROVED

MMDadoda
5/15/2020 12:29:28 PM



Abundance Ion 113.90 (113.60 to 114.60): V



#35

Dibromofluoromethane

Concen: 46.244 ug/l

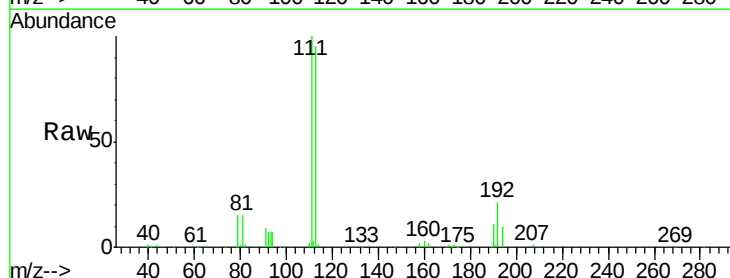
RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

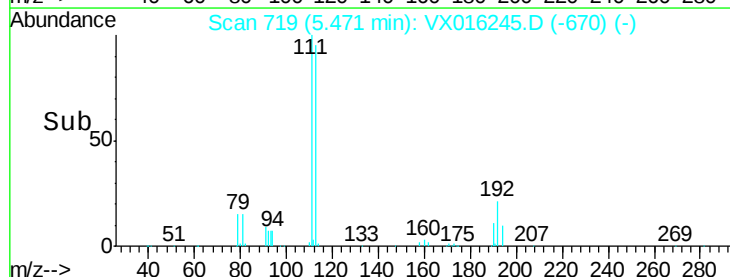
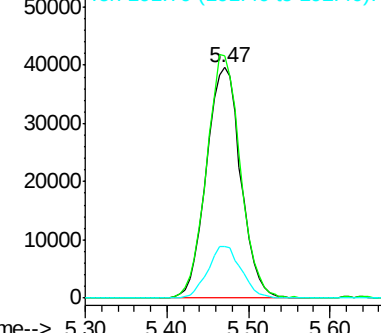
Lab File: VX016245.D

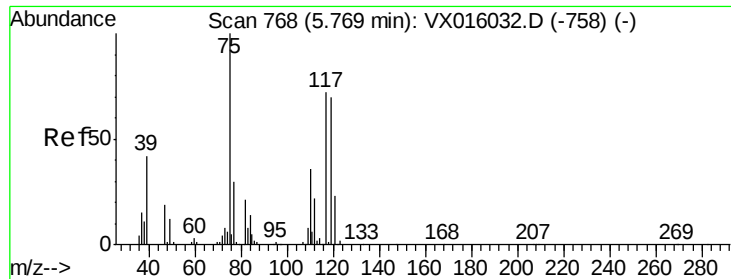
Acq: 14 May 2020 20:33

Tgt Ion:	113	Resp:	115631
Ion Ratio		Lower	Upper
113	100		
111	103.5	81.6	122.4
192	21.8	17.0	25.4



Abundance Ion 112.80 (112.50 to 113.50): V





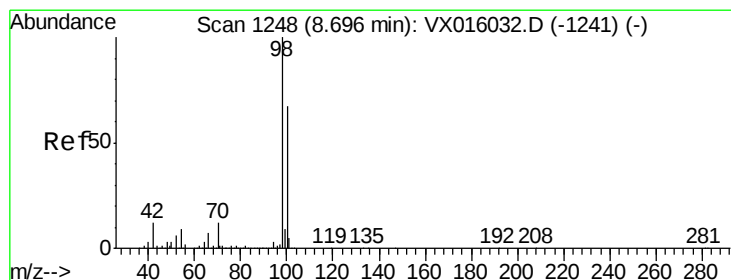
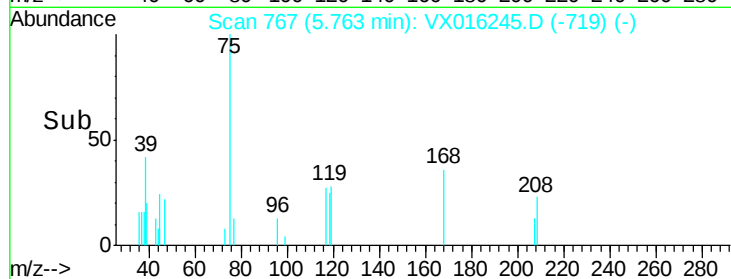
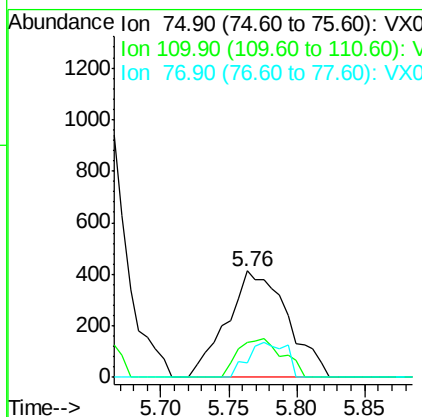
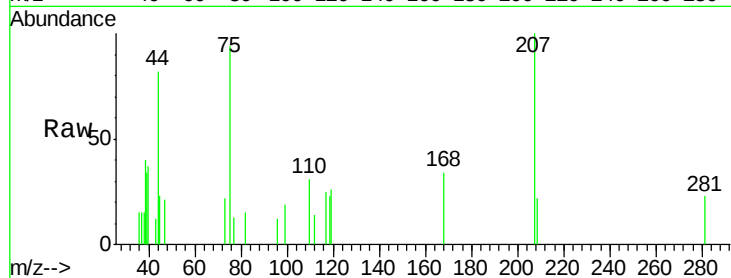
#36
 1,1-Dichloropropene
 Concen: 0.330 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX016245.D
 Acq: 14 May 2020 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

Tot Ion	Ratio	Lower	Upper
75	100		
110	27.1	18.1	54.1
77	20.8	25.0	37.6

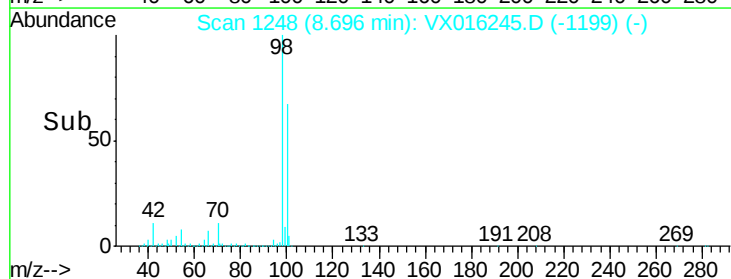
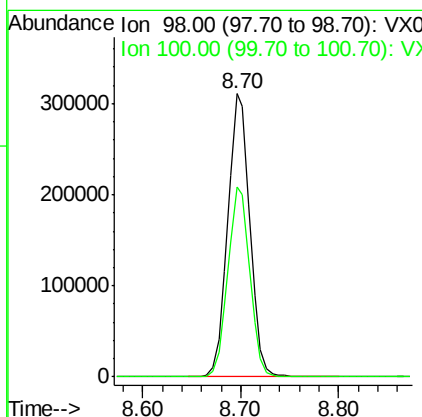
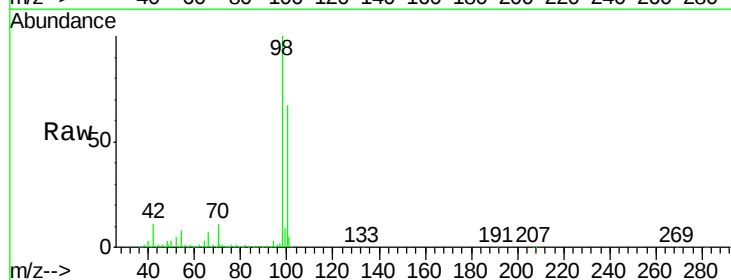
Manual Integrations
 APPROVED

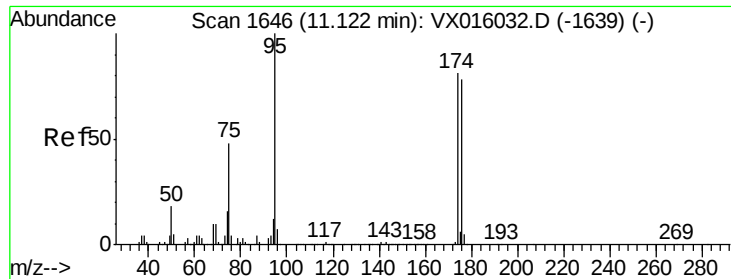
MMDadoda
 5/15/2020 12:29:28 PM



#50
 Toluene-d8
 Concen: 50.453 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016245.D
 Acq: 14 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.7	80.5





#62

4-Bromofluorobenzene

Concen: 53.580 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016245.D

Acq: 14 May 2020 20:33

Instrument :

MSVOA_X

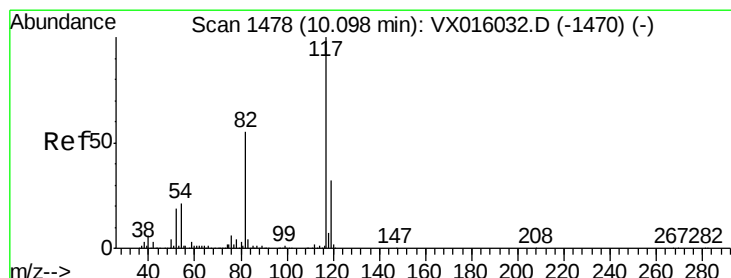
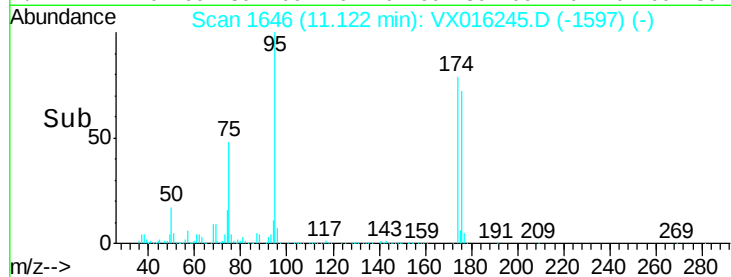
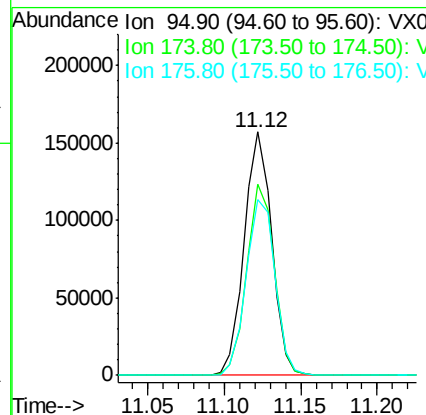
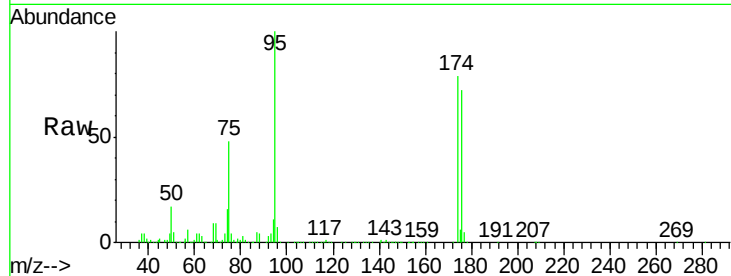
ClientSampleId :

DRUM-COMP

Tot Ion:	95	Resp:	196340
Ion Ratio	Lower	Upper	
95	100		
174	79.0	0.0	159.4
176	76.1	0.0	157.6

Manual Integrations
APPROVED

MMDadoda
5/15/2020 12:29:28 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

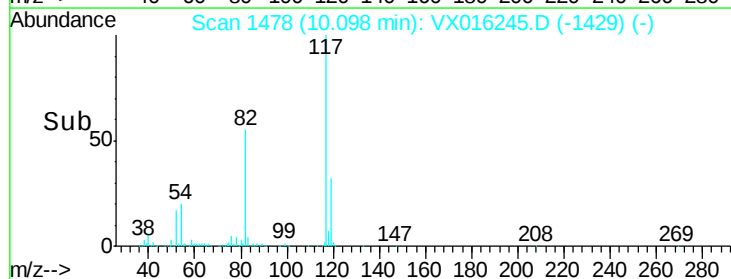
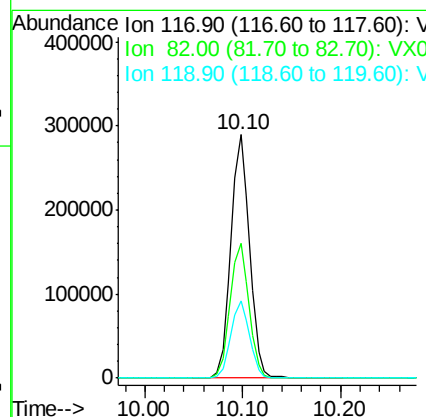
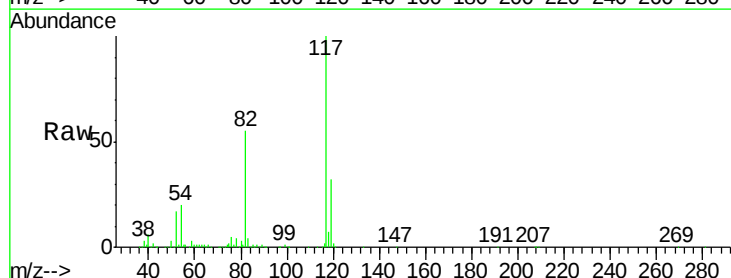
RT: 10.10 min Scan# 1478

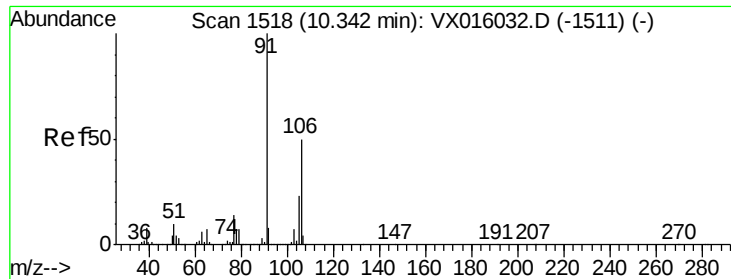
Delta R.T. -0.00 min

Lab File: VX016245.D

Acq: 14 May 2020 20:33

Tgt Ion:	117	Resp:	384295
Ion Ratio	Lower	Upper	
117	100		
82	55.2	44.4	66.6
119	31.9	25.5	38.3





#68

m/p-Xvlenes

Concen: 0.302 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016245.D

Acq: 14 May 2020 20:33

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

Tot Ion:106 Resp: 1622

Ion Ratio Lower Upper

106 100

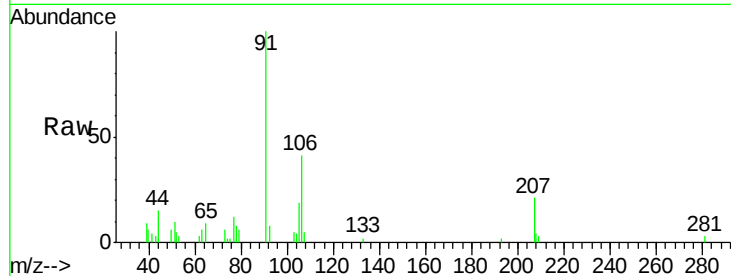
91 227.5 161.7 242.5

Manual Integrations

APPROVED

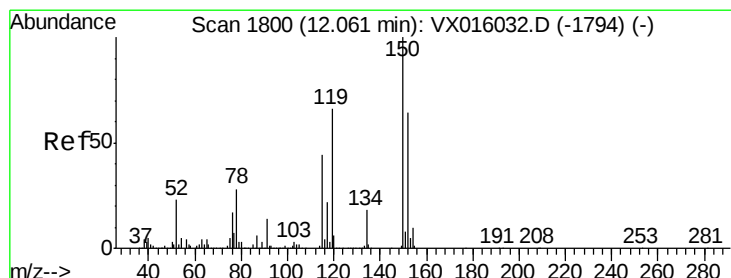
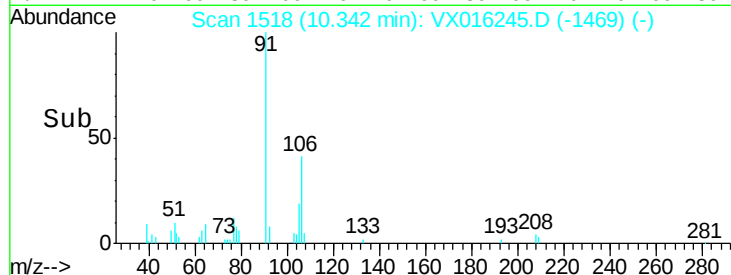
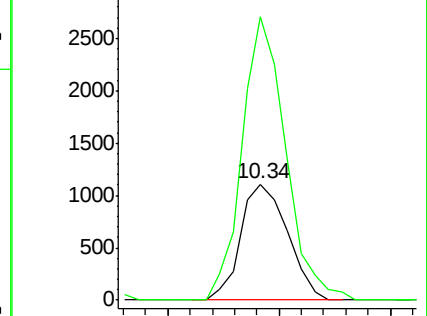
MMDadoda

5/15/2020 12:29:28 PM



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: VX016245.D

Acq: 14 May 2020 20:33

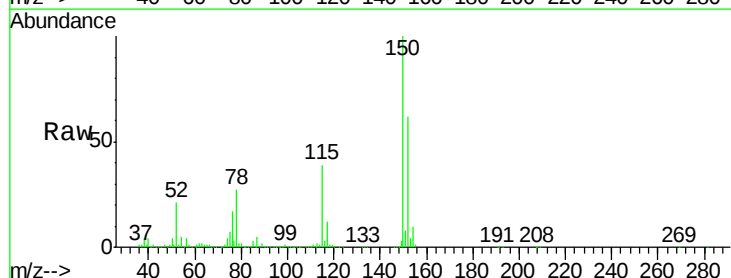
Tgt Ion:152 Resp: 195485

Ion Ratio Lower Upper

152 100

115 59.7 41.3 124.1

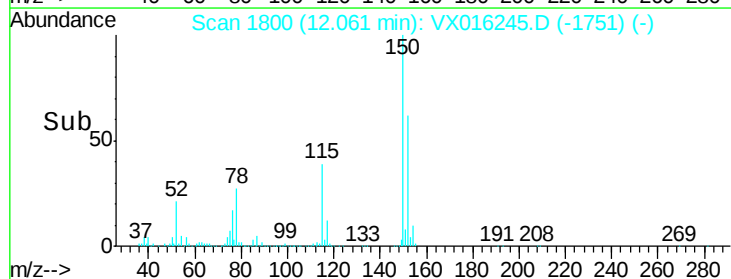
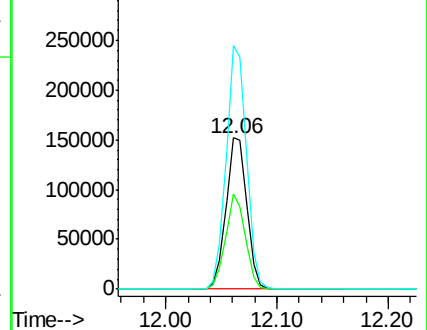
150 157.5 0.0 352.2

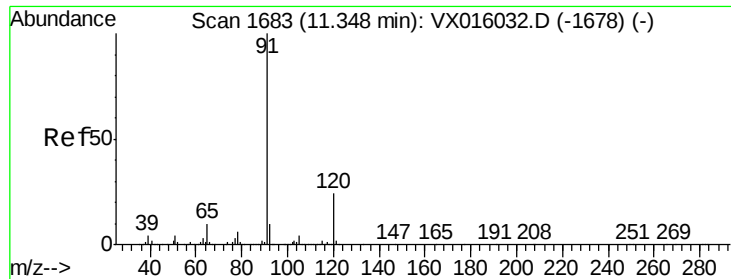


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#78

n-propylbenzene

Concen: 0.235 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016245.D

Acq: 14 May 2020 20:33

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

Tot Ion: 91 Resp: 3890

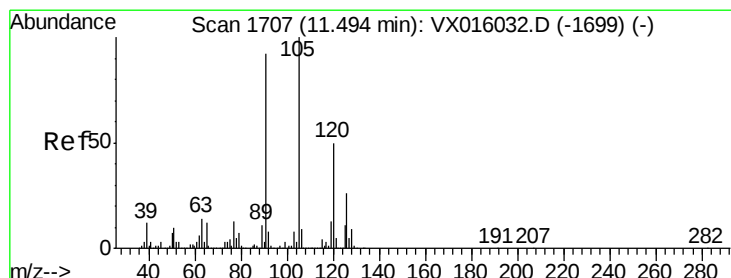
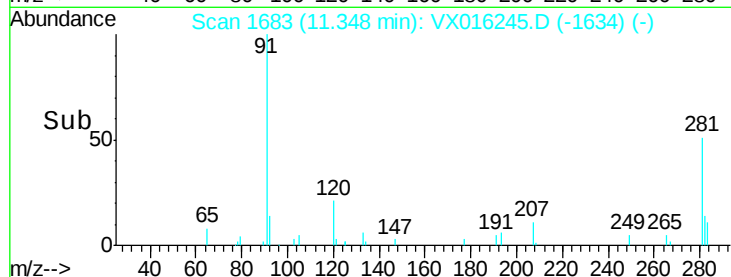
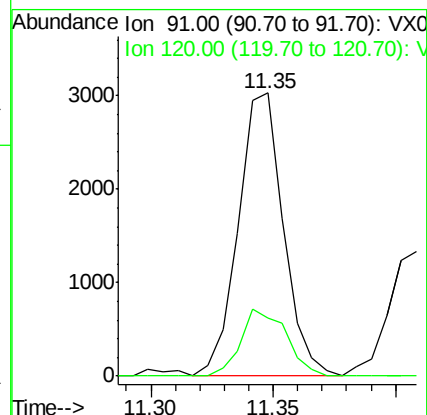
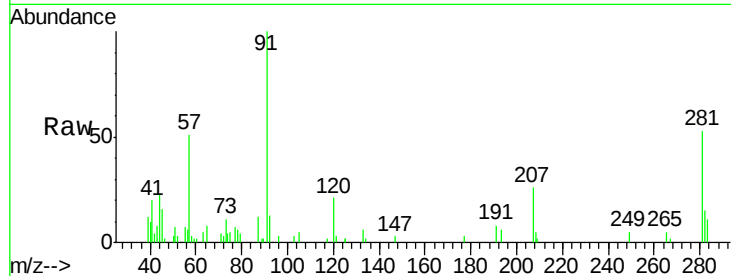
Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.5

Manual Integrations
APPROVED

MMDadoda
5/15/2020 12:29:28 PM



#82

4-Chlorotoluene

Concen: 0.269 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016245.D

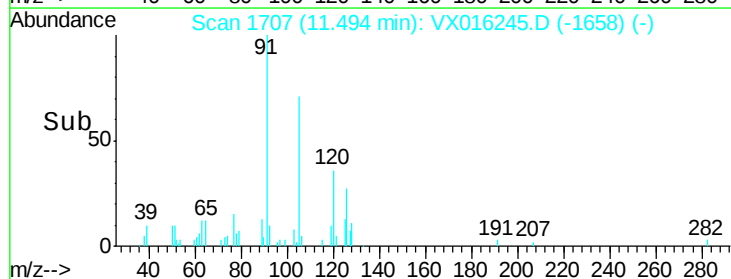
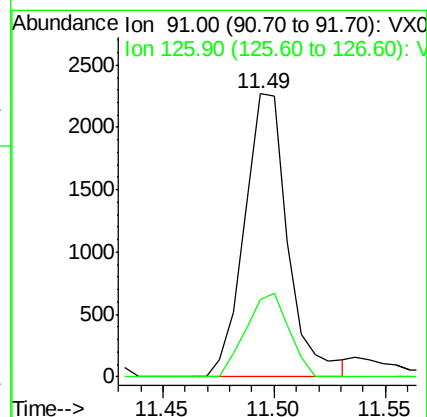
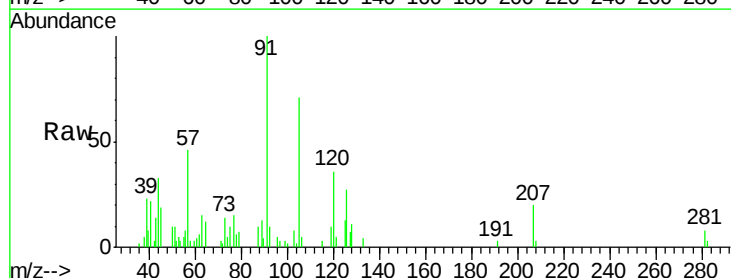
Acq: 14 May 2020 20:33

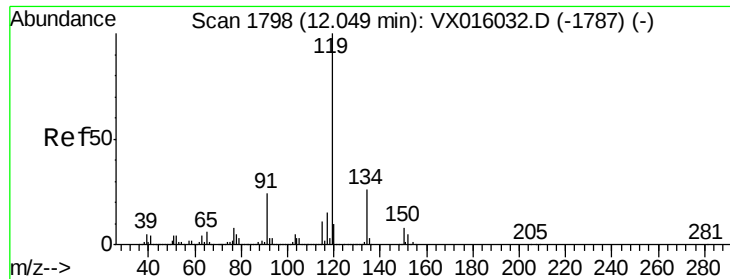
Tgt Ion: 91 Resp: 3106

Ion Ratio Lower Upper

91 100

126 28.9 14.8 44.3





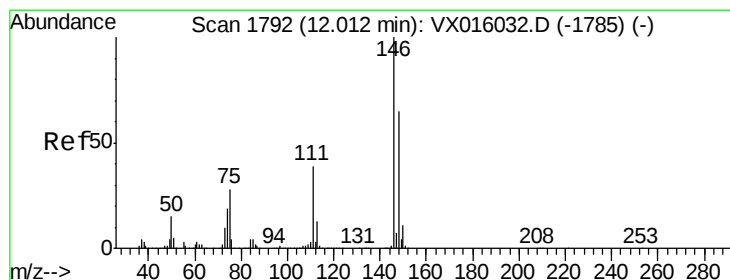
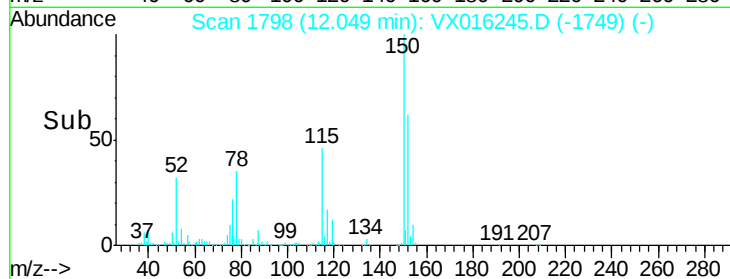
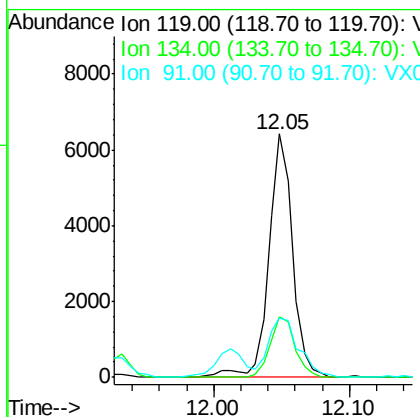
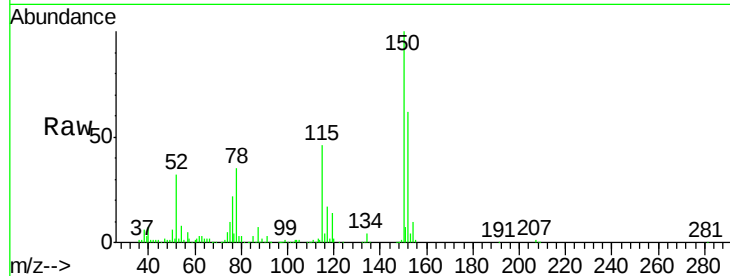
#86
 p-Isopropyltoluene
 Concen: 0.604 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016245.D
 Acq: 14 May 2020 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	31.1	11.8	35.4

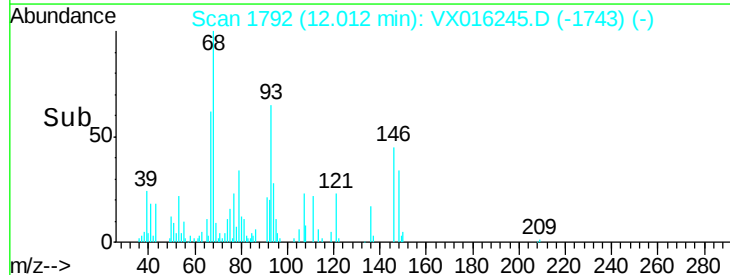
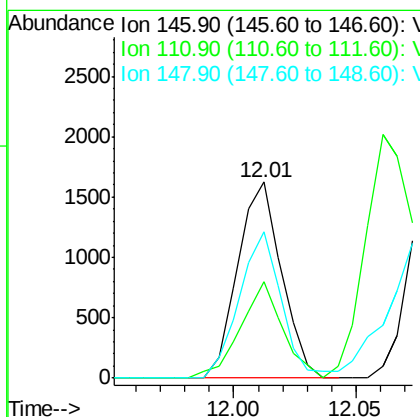
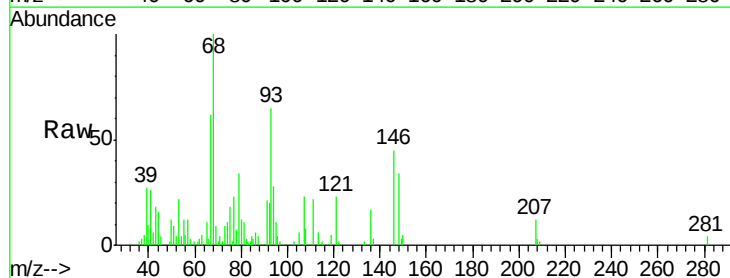
Manual Integrations
 APPROVED

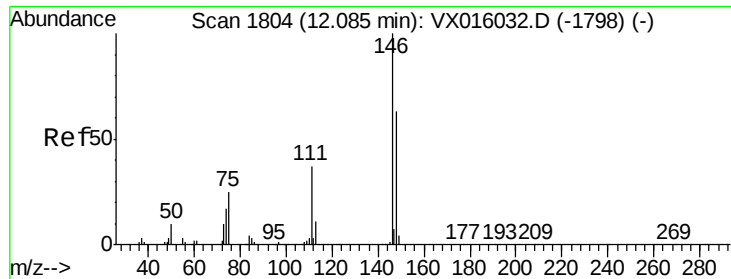
MMDadoda
 5/15/2020 12:29:28 PM



#87
 1,3-Dichlorobenzene
 Concen: 0.306 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016245.D
 Acq: 14 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	20.2	60.6
148	72.8	32.1	96.3





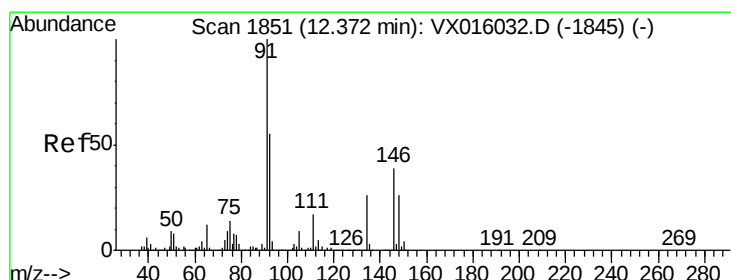
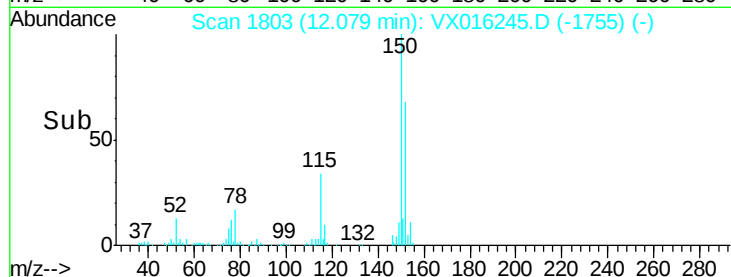
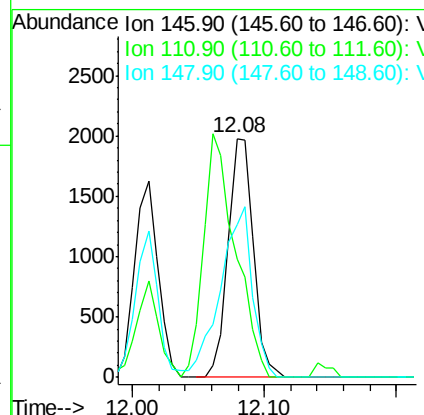
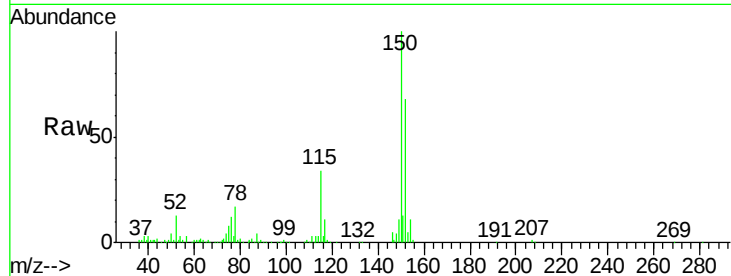
#88
 1,4-Dichlorobenzene
 Concen: 0.392 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016245.D
 Acq: 14 May 2020 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.6	58.7
148	56.0	31.8	95.3

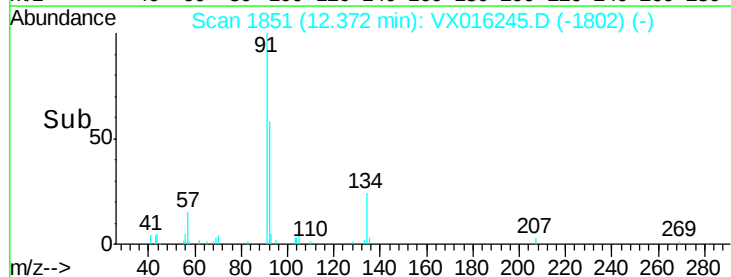
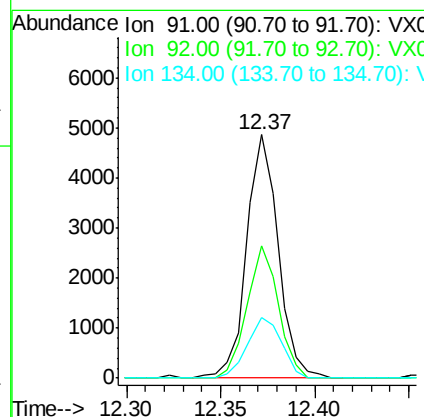
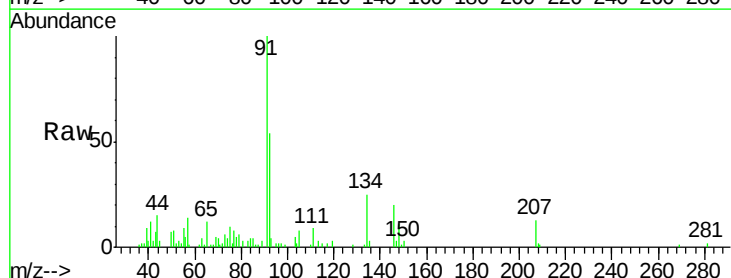
Manual Integrations
 APPROVED

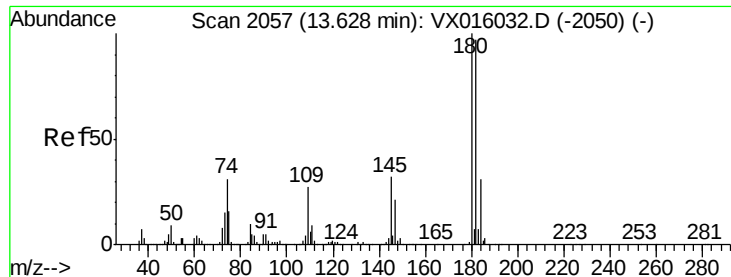
MMDadoda
 5/15/2020 12:29:28 PM



#89
 n-Butylbenzene
 Concen: 0.476 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016245.D
 Acq: 14 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	26.9	13.4	40.1





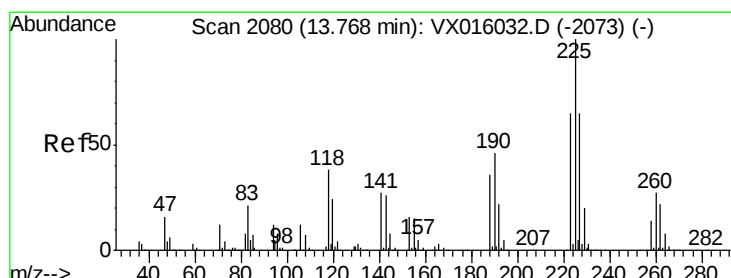
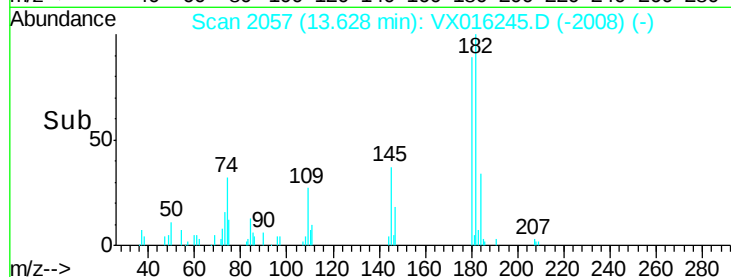
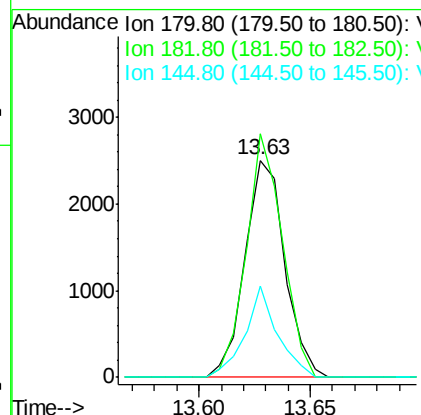
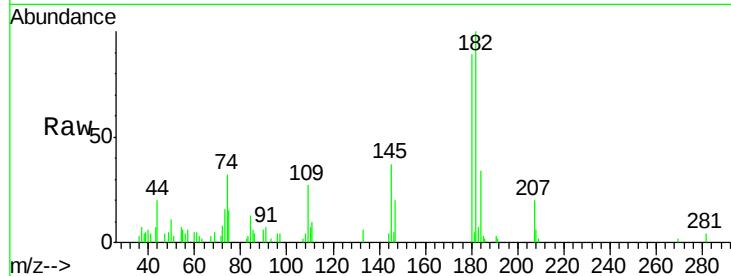
#93
1,2,4-Trichlorobenzene
Concen: 0.666 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX016245.D
Acq: 14 May 2020 20:33

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3130		
182	101.8	48.7	146.1	
145	34.2	15.7	47.1	

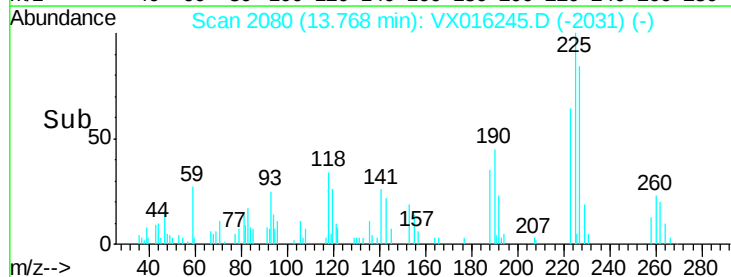
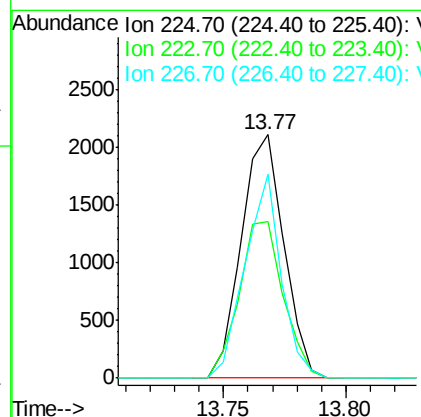
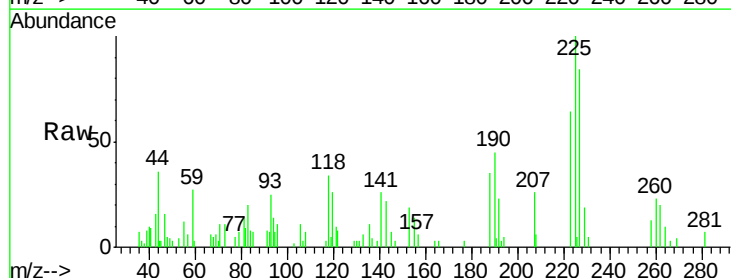
Manual Integrations
APPROVED

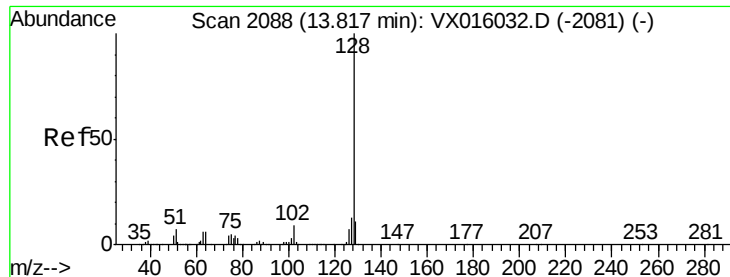
MMDadoda
5/15/2020 12:29:28 PM



#94
Hexachlorobutadiene
Concen: 1.780 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016245.D
Acq: 14 May 2020 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2568		
223	66.7	32.3	96.9	
227	71.0	31.8	95.4	





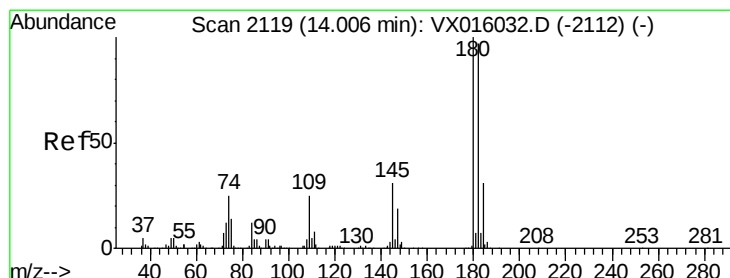
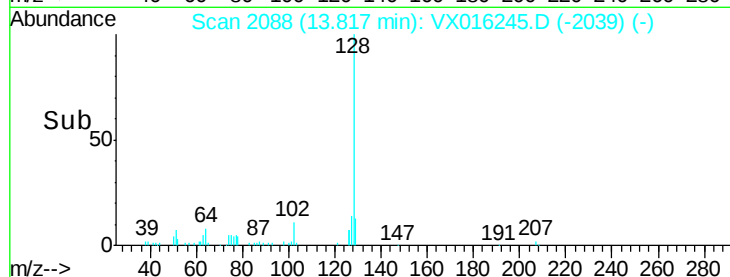
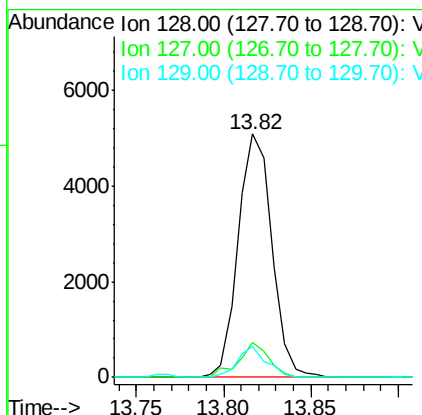
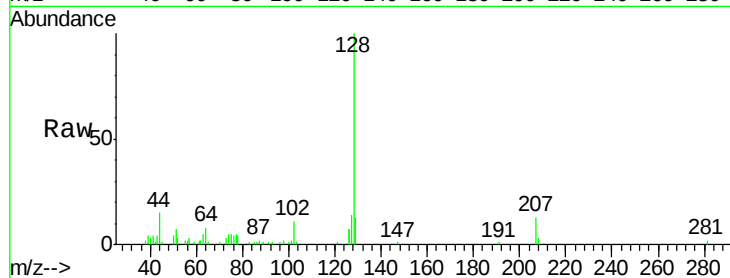
#95
Naphthalene
Concen: 0.449 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016245.D
Acq: 14 May 2020 20:33

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/15/2020 12:29:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.646 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016245.D
Acq: 14 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.4	145.0
145	32.7	16.4	49.1

