

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066570.D
 Acq On : 04 Sep 2020 18:30
 Operator : VA/SY
 Sample : L3915-18
 Misc : 9.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-PM-A2-10-14-D

Manual Integrations
 APPROVED

sam
 9/8/2020 5:43:20 PM

Quant Time: Sep 05 05:35:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	368087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	654358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	609939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	460532	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	228029	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.91	113	214704	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.34	98	1002022	63.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.02%	
62) 4-Bromofluorobenzene	12.63	95	778825	148.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.74%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	73738	89.987	ug/l	97
17) Carbon Disulfide	4.40	76	36987	3.034	ug/l	98
25) 2-Butanone	7.21	43	35243	32.039	ug/l #	84
31) Cyclohexane	7.98	56	489505	67.374	ug/l	97
39) Methylcyclohexane	9.35	83	2833875	372.669	ug/l	96
40) Benzene	8.34	78	50151	2.689	ug/l	97
52) Toluene	10.40	92	56755	4.807	ug/l	92
67) Ethyl Benzene	11.73	91	26176462m	1132.439	ug/l	
68) m/p-Xylenes	11.84	106	32251351m	3757.685	ug/l	
69) o-Xylene	12.18	106	18986003	2468.337	ug/l #	1
73) Isopropylbenzene	12.48	105	13840681	405.918	ug/l	94
78) n-propylbenzene	12.82	91	16505868	399.324	ug/l	87
80) 1,3,5-Trimethylbenzene	12.96	105	4513468	157.271	ug/l	99
83) tert-Butylbenzene	13.23	119	388698	16.586	ug/l	93
84) 1,2,4-Trimethylbenzene	13.27	105	18457510	645.981	ug/l	72
85) sec-Butylbenzene	13.41	105	2323535	68.816	ug/l #	70
86) p-Isopropyltoluene	13.52	119	1440283	47.393	ug/l	98
89) n-Butylbenzene	13.85	91	2427516	81.970	ug/l #	75
95) Naphthalene	15.40	128	24524544m	1772.809	ug/l	

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

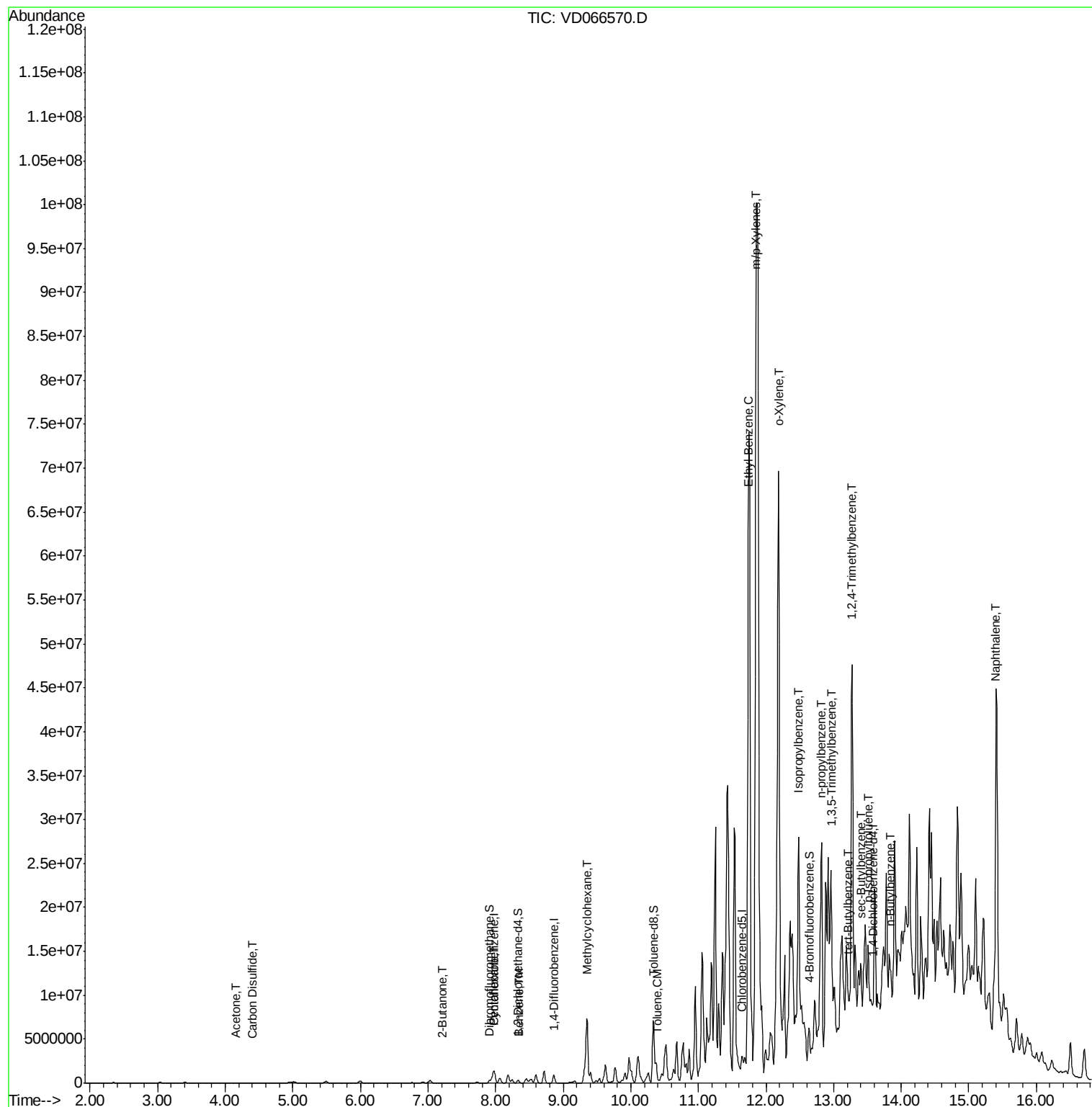
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066570.D
Acq On : 04 Sep 2020 18:30
Operator : VA/SY
Sample : L3915-18
Misc : 9.43G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

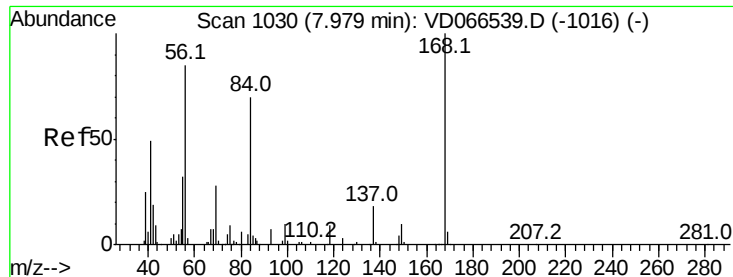
Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Manual Integrations
APPROVED

sam
9/8/2020 5:43:20 PM

Quant Time: Sep 05 05:35:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066570.D

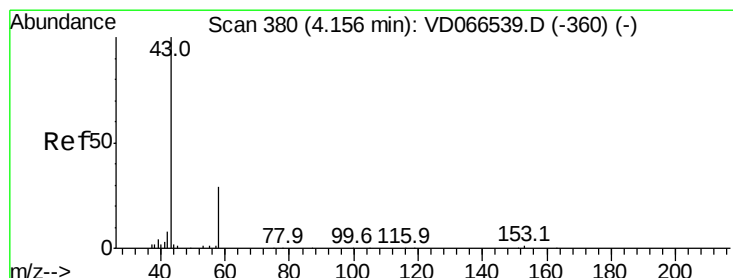
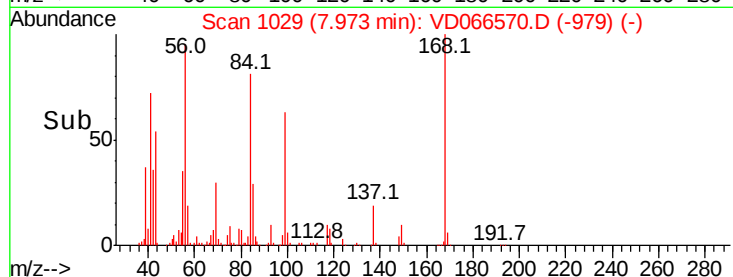
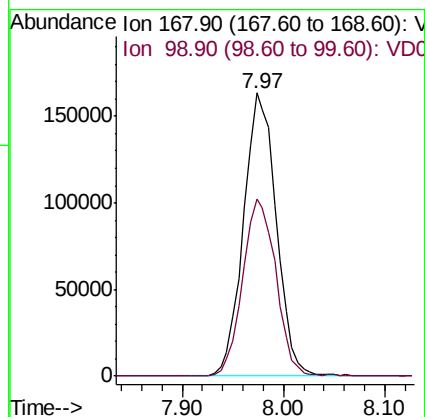
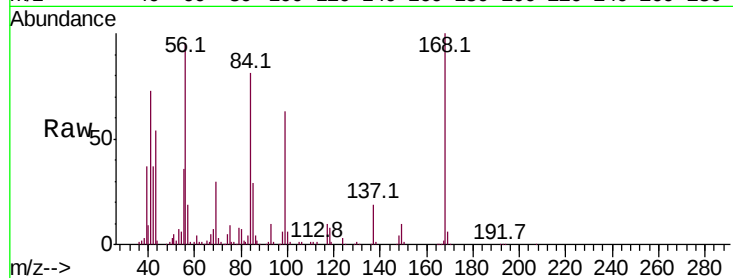
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Tot Ion	Ratio	Lower	Upper
168	100		
99	62.6	50.5	75.7

Manual Integrations
APPROVED

sam
9/8/2020 5:43:20 PM



#16

Acetone

Concen: 89.987 ug/l

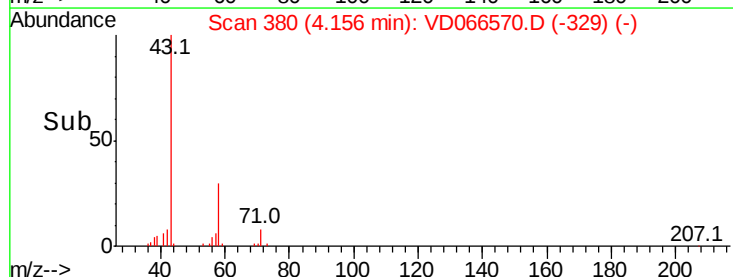
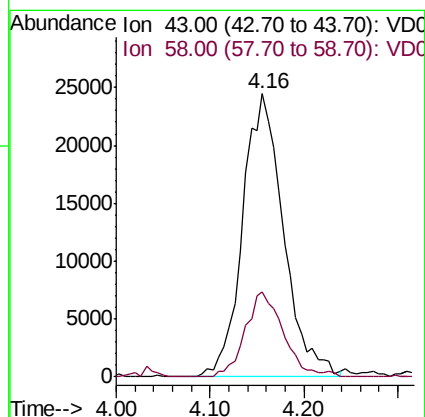
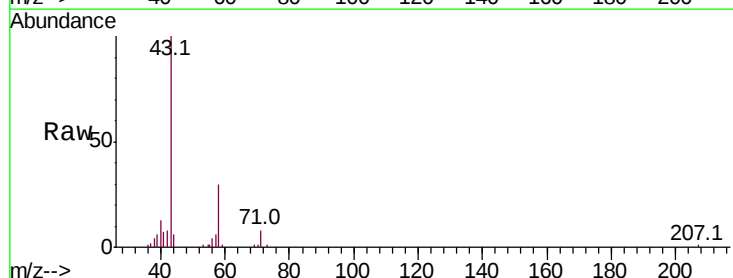
RT: 4.16 min Scan# 380

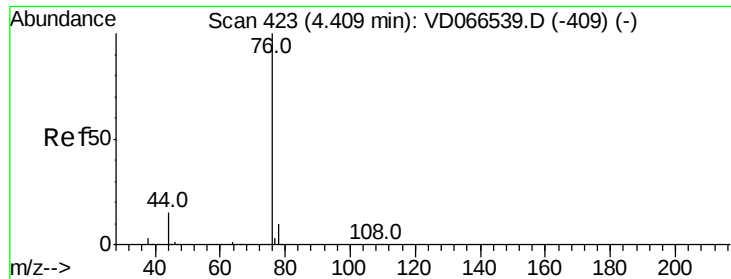
Delta R.T. 0.00 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.9	34.3





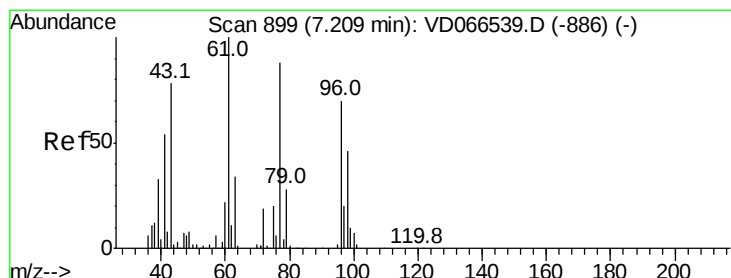
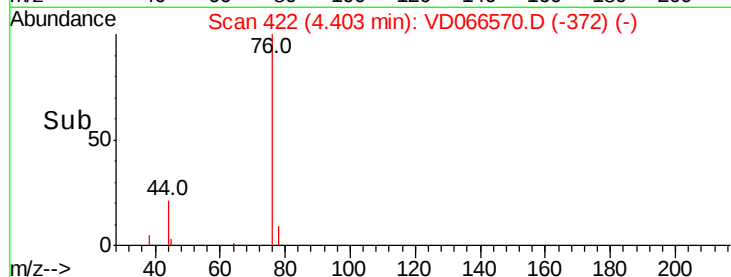
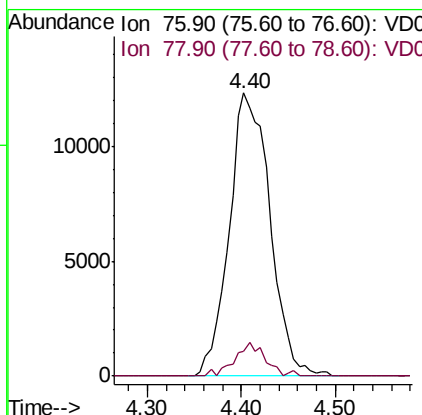
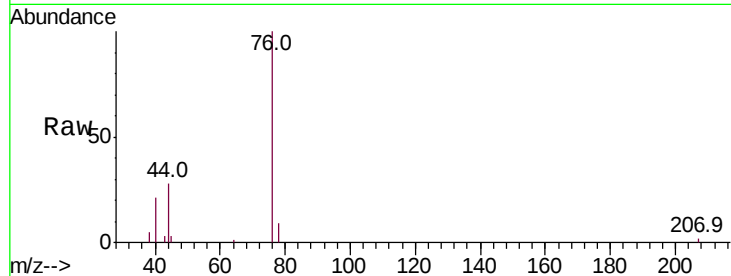
#17
Carbon Disulfide
Concen: 3.034 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Tot Ion: 76 Resp: 36987
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4

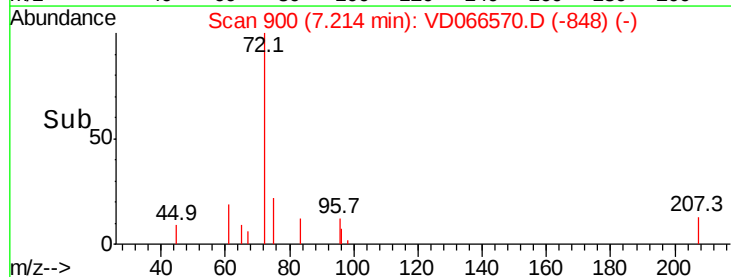
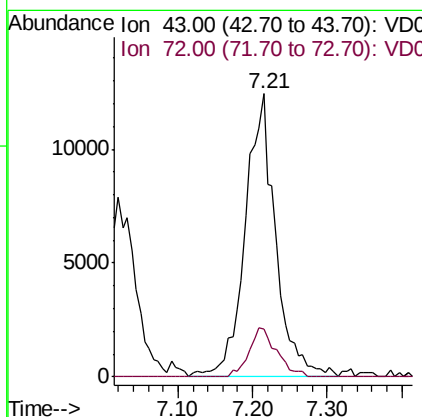
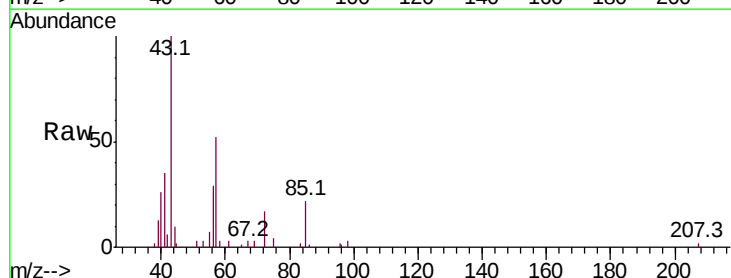
Manual Integrations
APPROVED

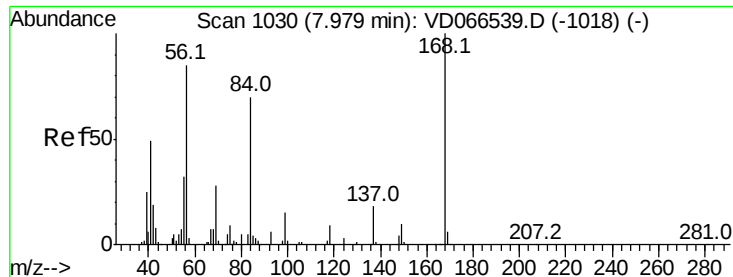
sam
9/8/2020 5:43:20 PM



#25
2-Butanone
Concen: 32.039 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Tgt Ion: 43 Resp: 35243
Ion Ratio Lower Upper
43 100
72 16.8 19.8 29.6#





#31

Cyclohexane

Concen: 67.374 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066570.D

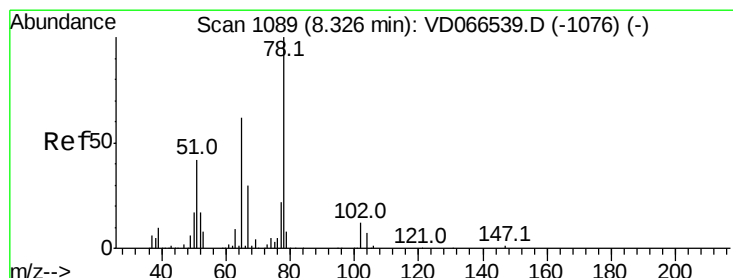
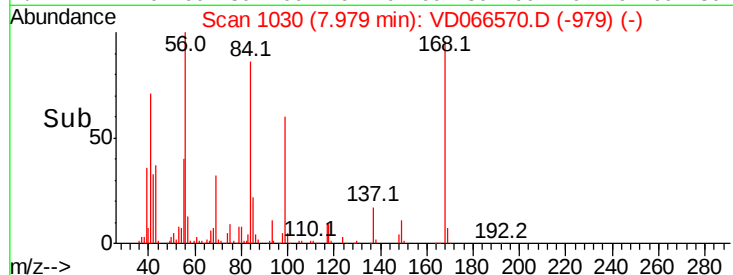
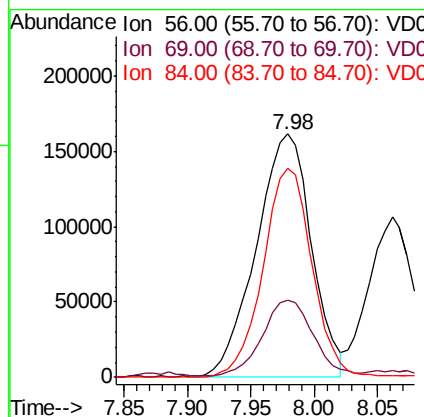
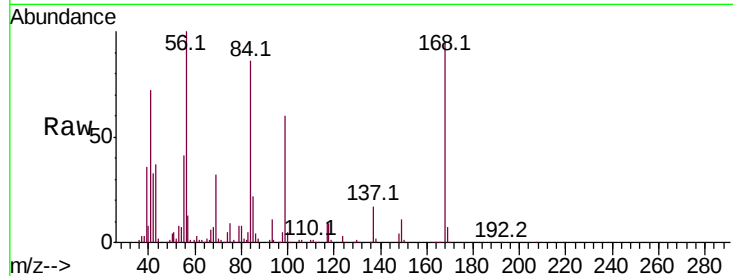
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Tot Ion:	56	Resp:	489505
Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.3	39.5
84	85.8	66.1	99.1

Manual Integrations
APPROVED

sam
9/8/2020 5:43:20 PM



#33

1,2-Dichloroethane-d4

Concen: 51.202 ug/l

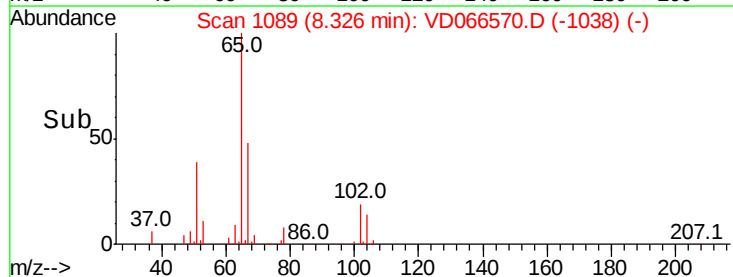
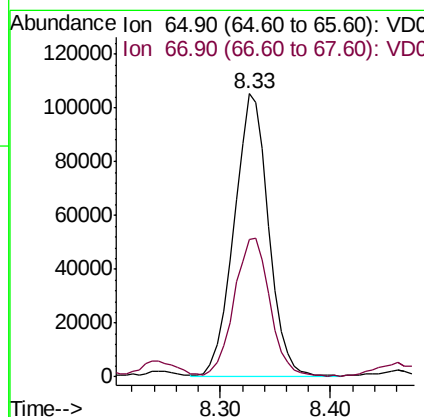
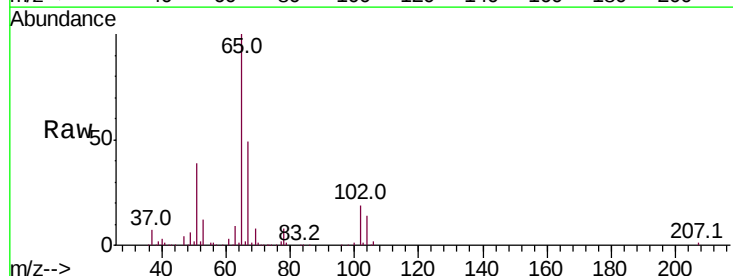
RT: 8.33 min Scan# 1089

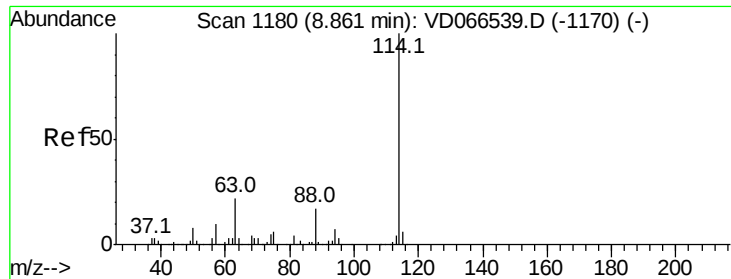
Delta R.T. 0.00 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Tgt Ion:	65	Resp:	228029
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.8





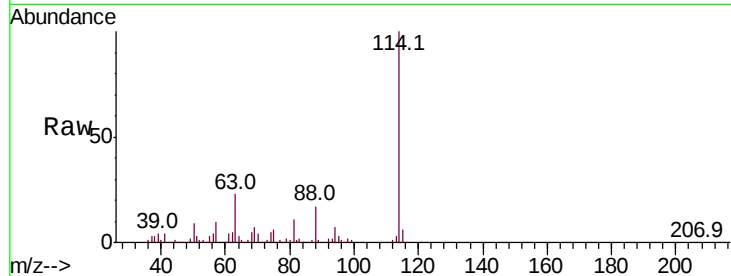
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

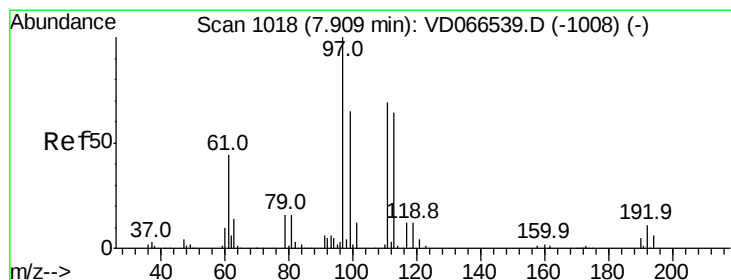
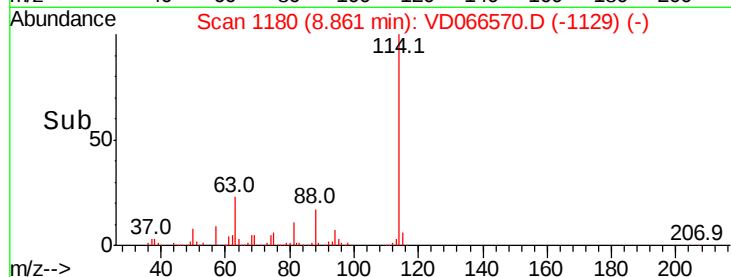
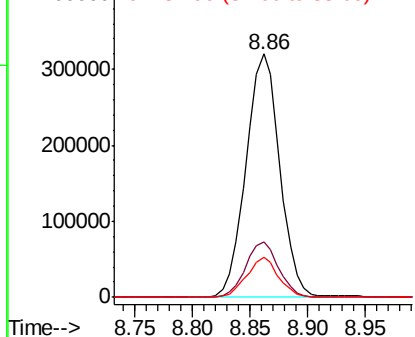
Tot Ion	Ratio	Resp	Lower	Upper
114	100	654358		
63	23.0		0.0	43.2
88	16.5		0.0	33.2

Manual Integrations
APPROVED

sam
9/8/2020 5:43:20 PM

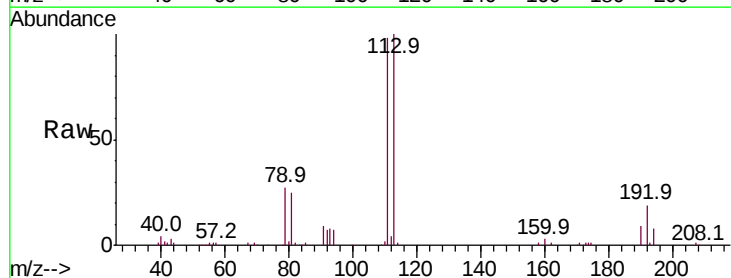


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

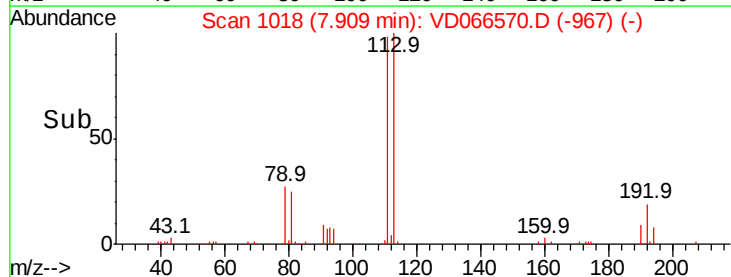
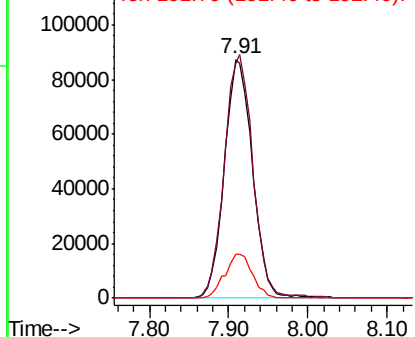


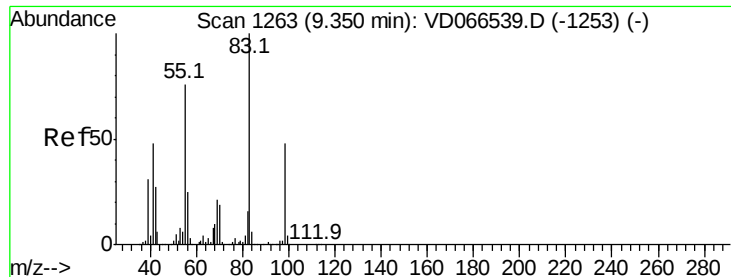
#35
Dibromofluoromethane
Concen: 48.638 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	214704		
111	102.1		83.2	124.8
192	18.3		13.7	20.5



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





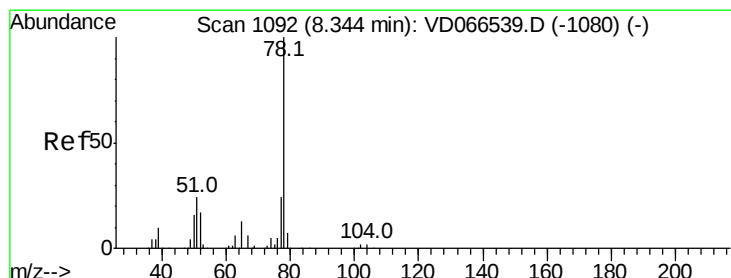
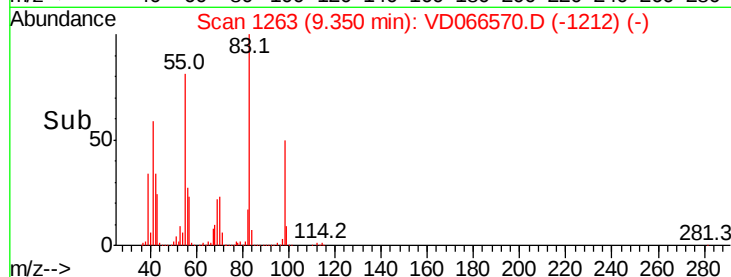
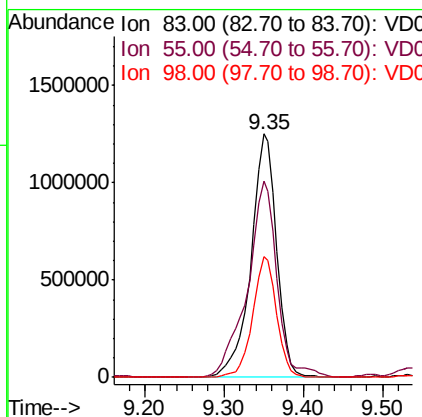
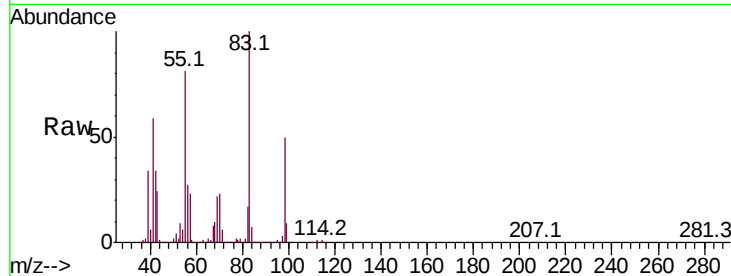
#39
Methvlcvclohexane
Concen: 372.669 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Tot Ion: 83 Resp: 2833875
Ion Ratio Lower Upper
83 100
55 80.7 60.8 91.2
98 49.8 38.6 58.0

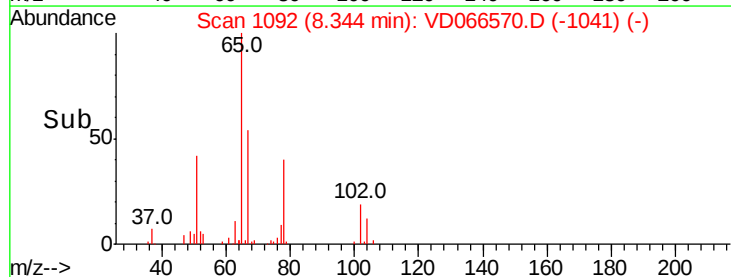
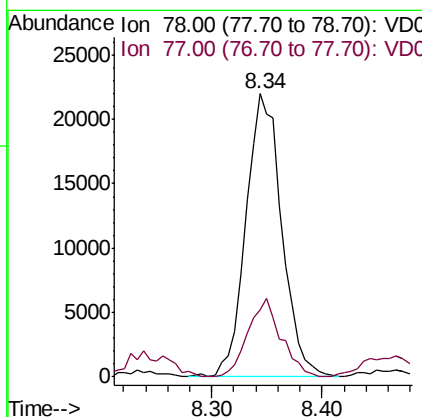
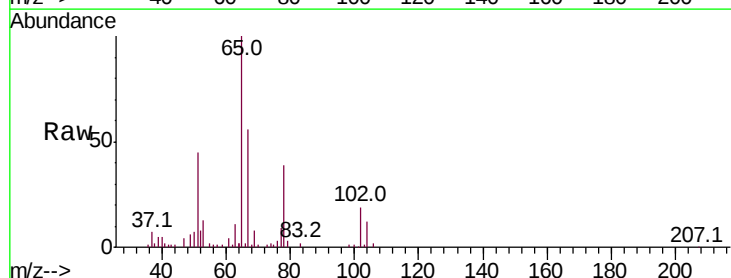
Manual Integrations
APPROVED

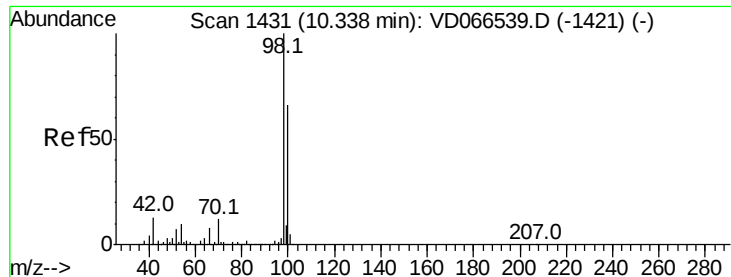
sam
9/8/2020 5:43:20 PM



#40
Benzene
Concen: 2.689 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Tgt Ion: 78 Resp: 50151
Ion Ratio Lower Upper
78 100
77 22.6 19.1 28.7





#50

Toluene-d8

Concen: 63.509 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

WC-PM-A2-10-14-D

Tot Ion: 98 Resp: 1002022

Ion Ratio Lower Upper

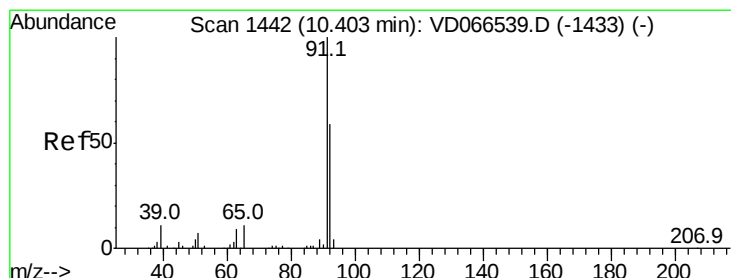
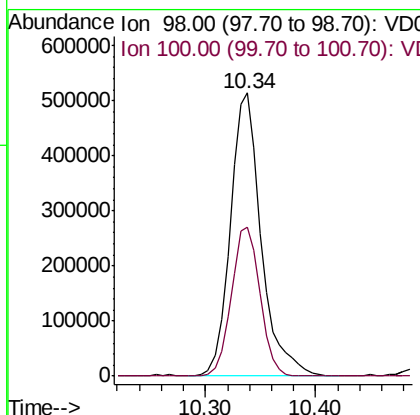
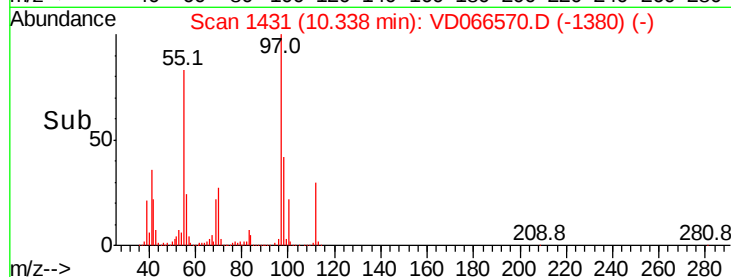
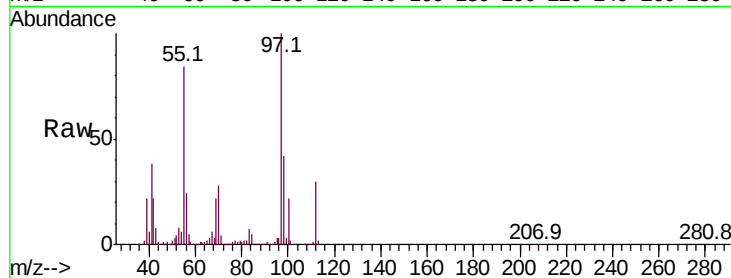
98 100

100 49.4 52.9 79.3#

Manual Integrations
APPROVED

sam

9/8/2020 5:43:20 PM



#52

Toluene

Concen: 4.807 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066570.D

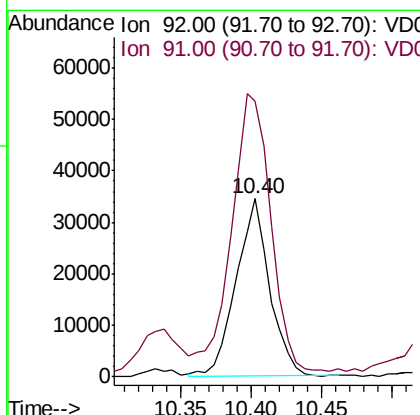
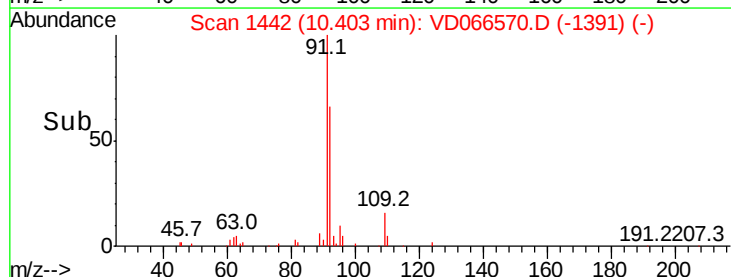
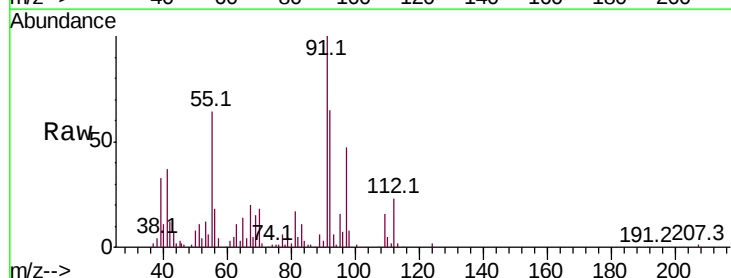
Acq: 04 Sep 2020 18:30

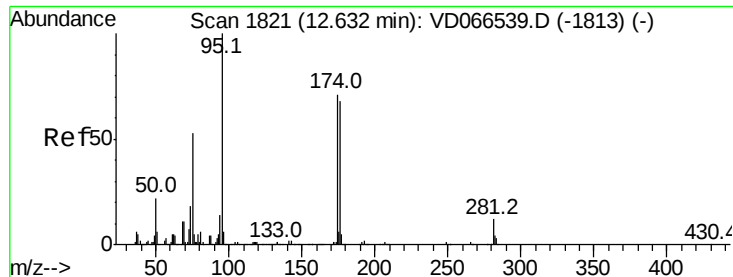
Tgt Ion: 92 Resp: 56755

Ion Ratio Lower Upper

92 100

91 183.3 137.4 206.2





#62

4-Bromofluorobenzene

Concen: 148.867 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Instrument :

MSVOA_D

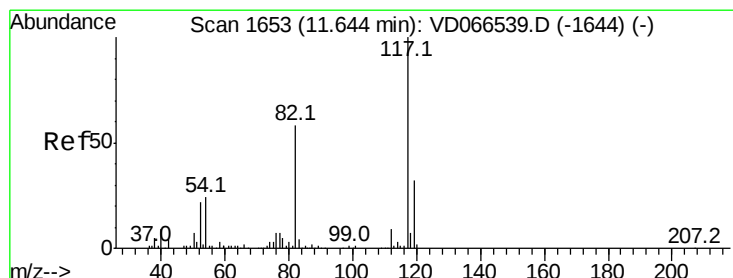
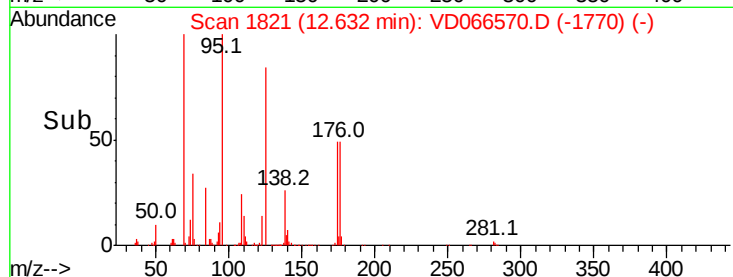
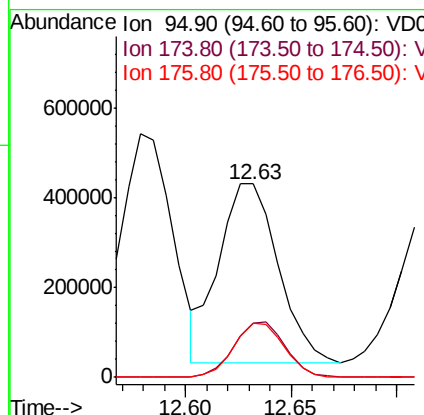
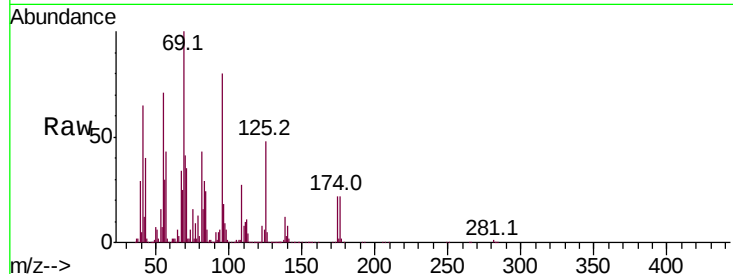
ClientSampleId :

WC-PM-A2-10-14-D

Tot Ion:	95	Resp:	778825
Ion Ratio	Lower	Upper	
95	100		
174	26.9	0.0	155.8
176	26.0	0.0	148.6

Manual Integrations
APPROVED

sam
9/8/2020 5:43:20 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

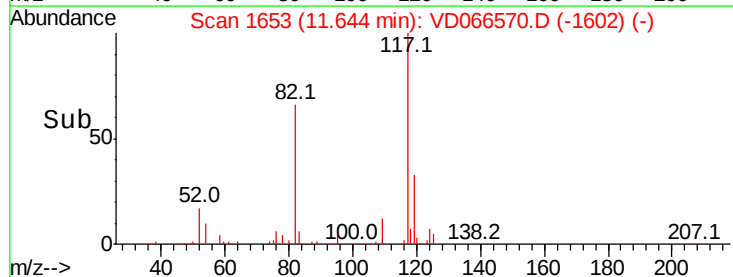
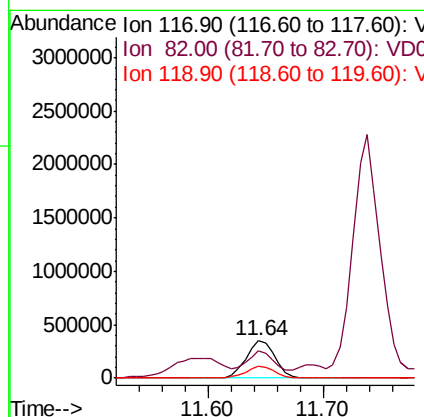
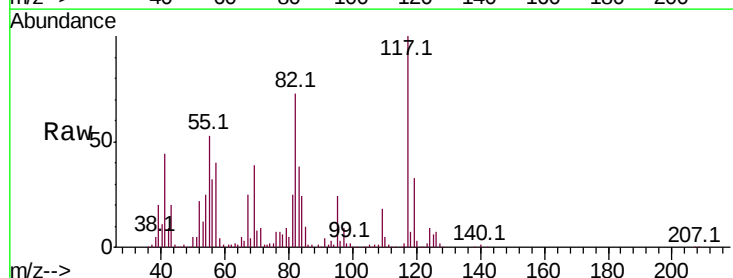
RT: 11.64 min Scan# 1653

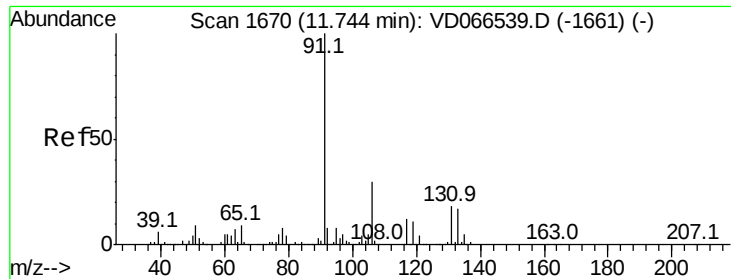
Delta R.T. 0.00 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Tgt Ion:	117	Resp:	609939
Ion Ratio	Lower	Upper	
117	100		
82	19.4	46.2	69.2#
119	32.5	25.8	38.8





#67

Ethyl Benzene

Concen: 1132.439 ug/l m

RT: 11.73 min Scan# 1668

Delta R.T. -0.01 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

WC-PM-A2-10-14-D

Tot Ion: 91 Resp:26176462

Ion Ratio Lower Upper

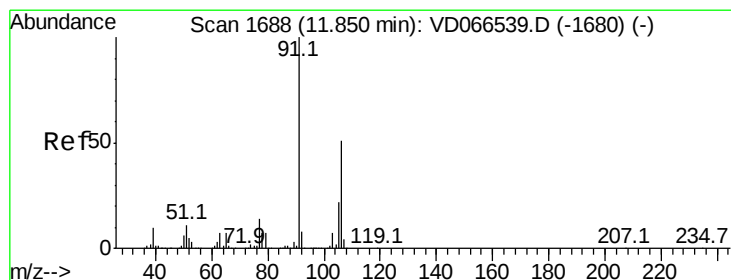
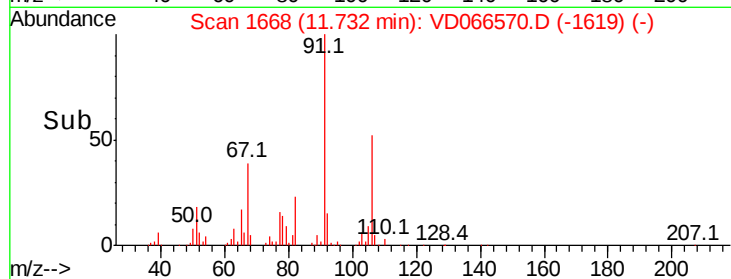
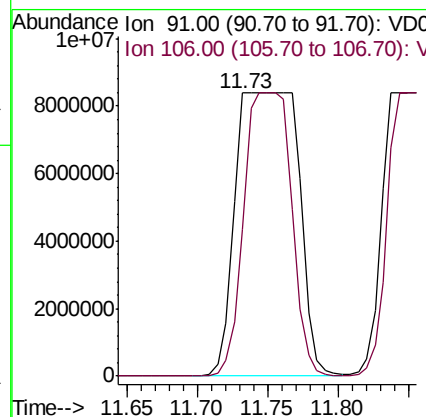
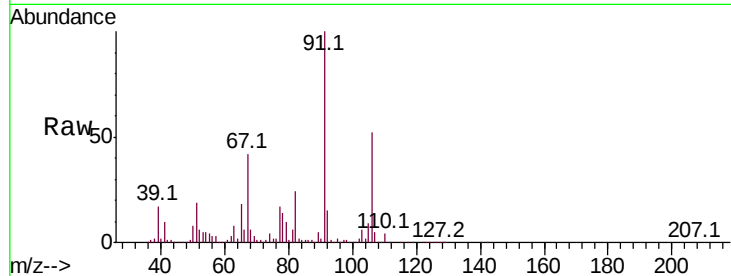
91 100

106 51.9 24.3 36.5#

Manual Integrations
APPROVED

sam

9/8/2020 5:43:20 PM



#68

m/p-Xylenes

Concen: 3757.685 ug/l m

RT: 11.84 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VD066570.D

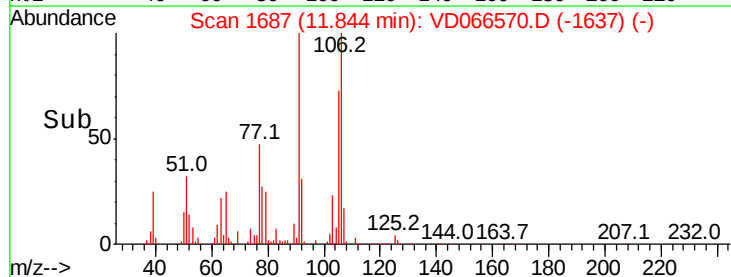
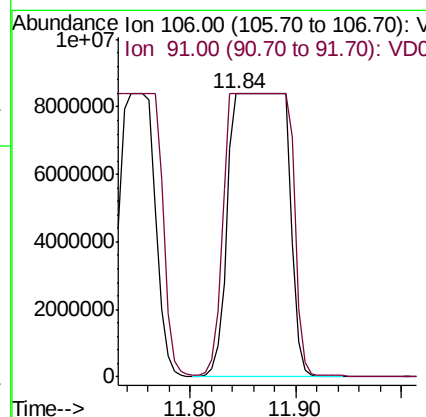
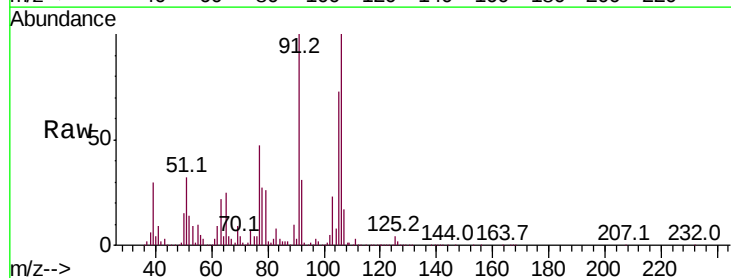
Acq: 04 Sep 2020 18:30

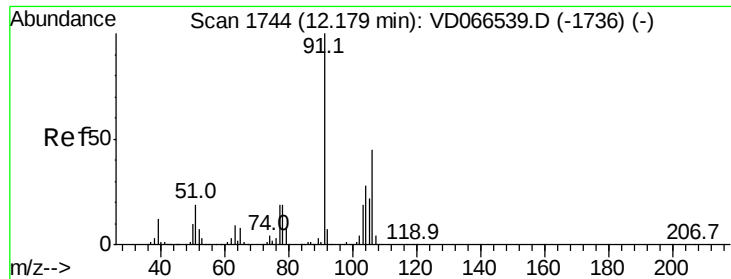
Tgt Ion:106 Resp:32251351

Ion Ratio Lower Upper

106 100

91 0.0 162.4 243.6#





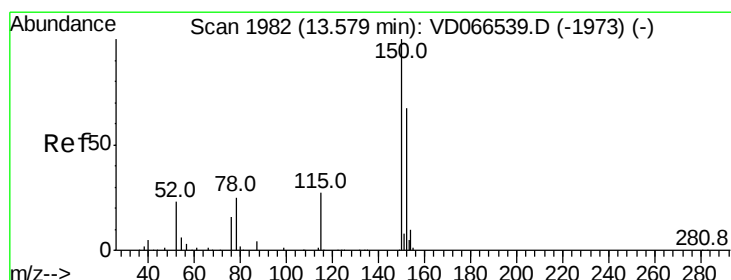
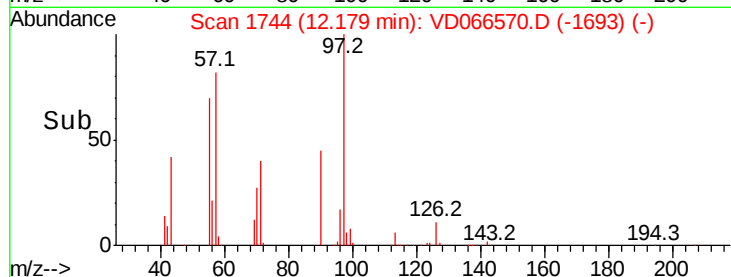
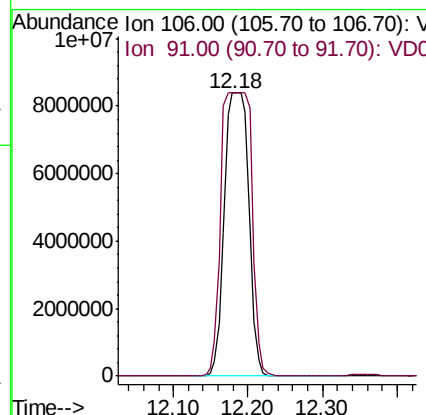
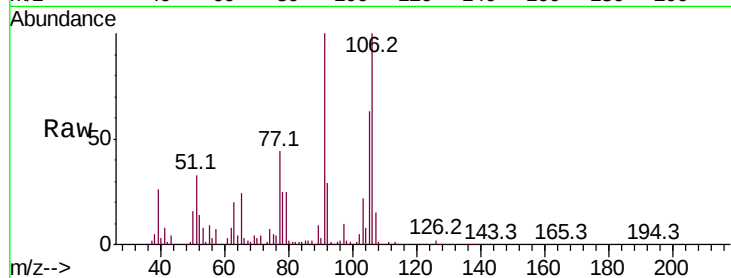
#69
o-Xylene
Concen: 2468.337 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Tot Ion:106 Resp:18986003
Ion Ratio Lower Upper
106 100
91 0.0 107.9 323.8#

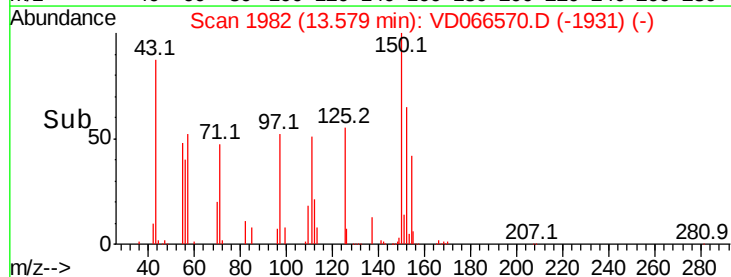
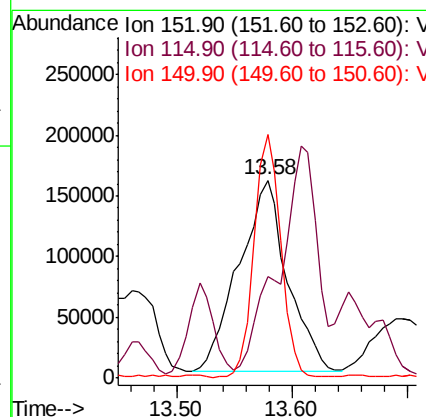
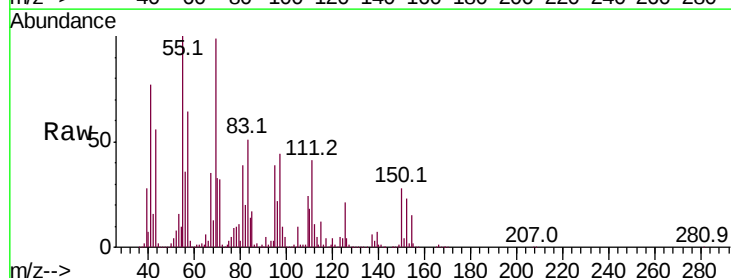
Manual Integrations
APPROVED

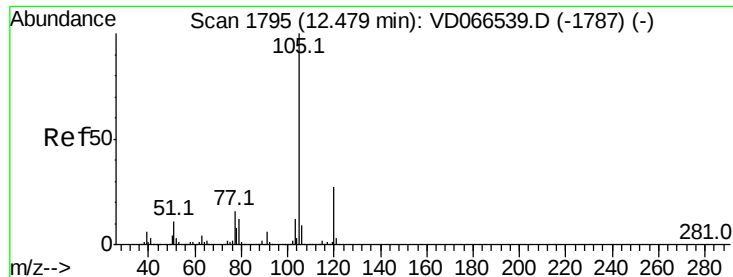
sam
9/8/2020 5:43:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Tgt Ion:152 Resp: 460532
Ion Ratio Lower Upper
152 100
115 0.0 30.4 91.2#
150 70.3 0.0 345.8





#73

Isopropylbenzene

Concen: 405.918 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

WC-PM-A2-10-14-D

Tot Ion:105 Resp:13840681

Ion Ratio Lower Upper

105 100

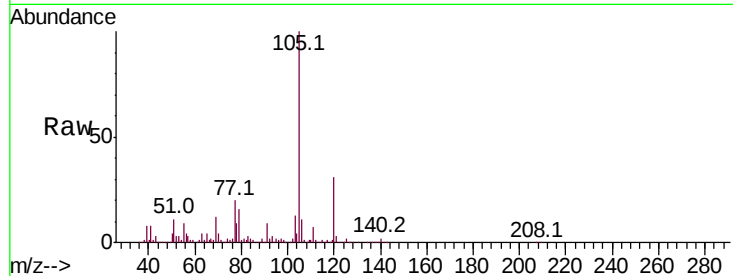
120 28.9 13.0 39.0

Manual Integrations

APPROVED

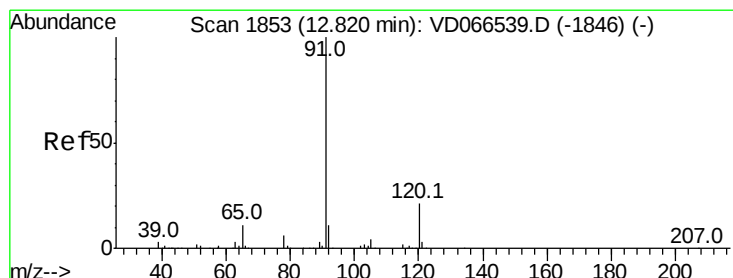
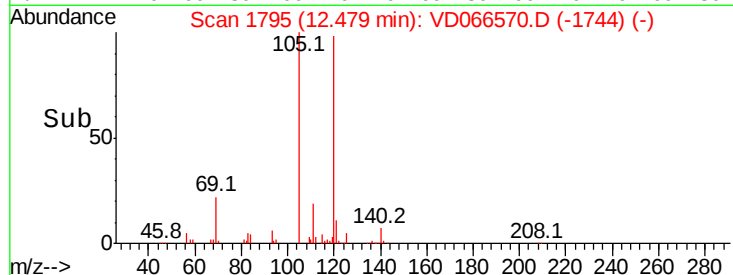
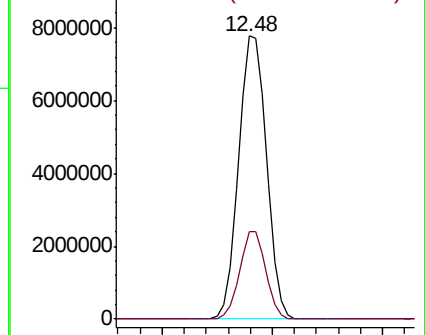
sam

9/8/2020 5:43:20 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 399.324 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066570.D

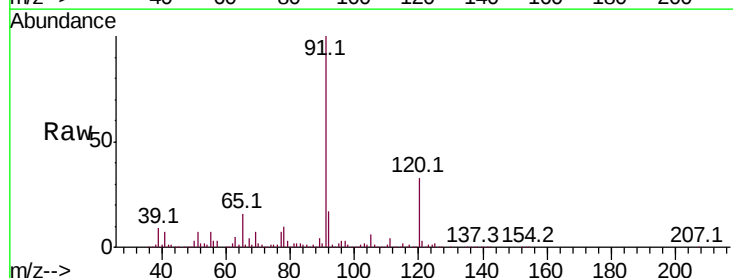
Acq: 04 Sep 2020 18:30

Tgt Ion: 91 Resp:16505868

Ion Ratio Lower Upper

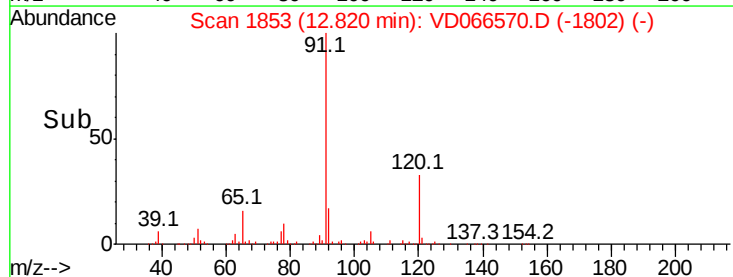
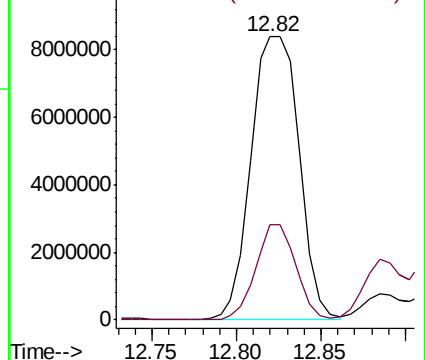
91 100

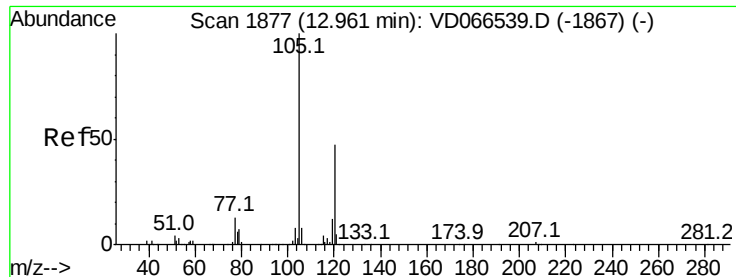
120 28.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

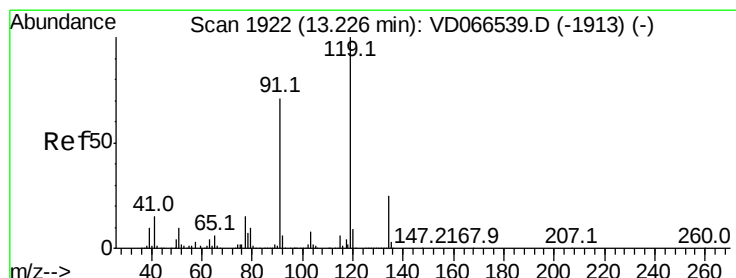
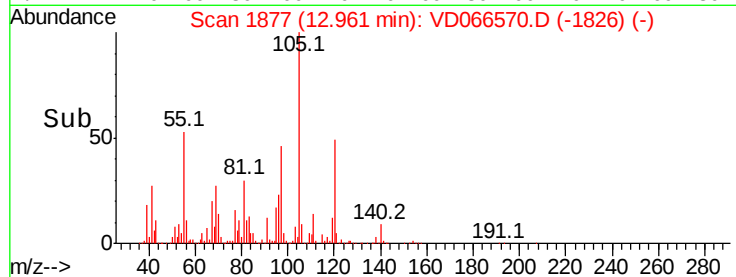
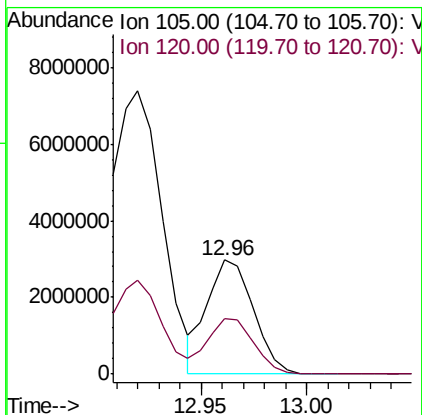
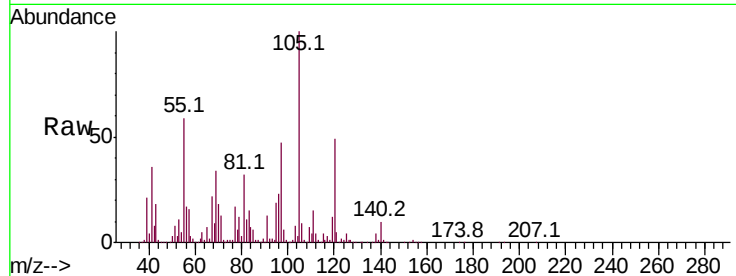
1,3,5-Trimethylbenzene
Concen: 157.271 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Tot Ion:105 Resp: 4513468
Ion Ratio Lower Upper
105 100
120 48.9 23.9 71.8

Manual Integrations
APPROVED

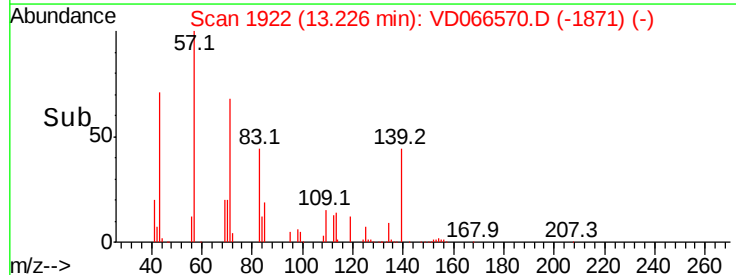
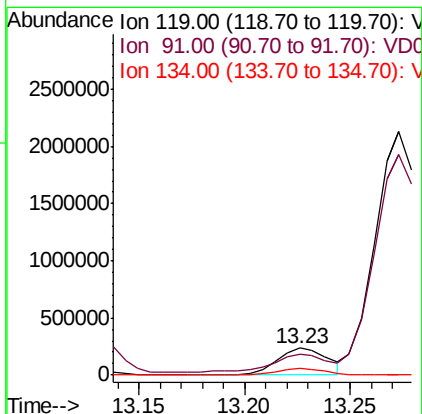
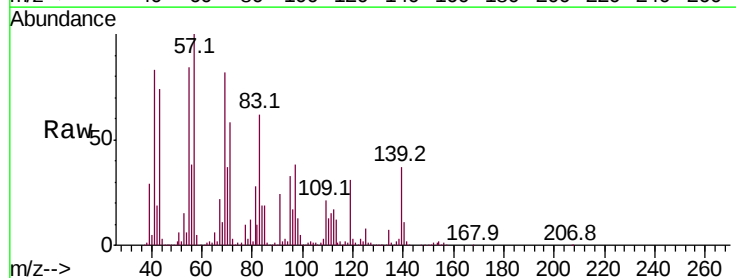
sam
9/8/2020 5:43:20 PM

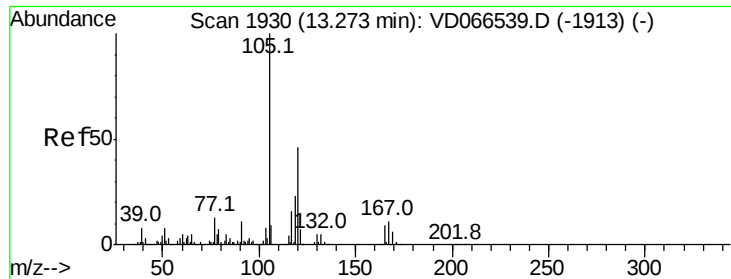


#83

tert-Butylbenzene
Concen: 16.586 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Tgt Ion:119 Resp: 388698
Ion Ratio Lower Upper
119 100
91 76.8 35.2 105.6
134 23.9 13.5 40.5





#84

1,2,4-Trimethylbenzene

Concen: 645.981 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066570.D

Acq: 04 Sep 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

WC-PM-A2-10-14-D

Tot Ion:105 Resp:18457510

Ion Ratio Lower Upper

105 100

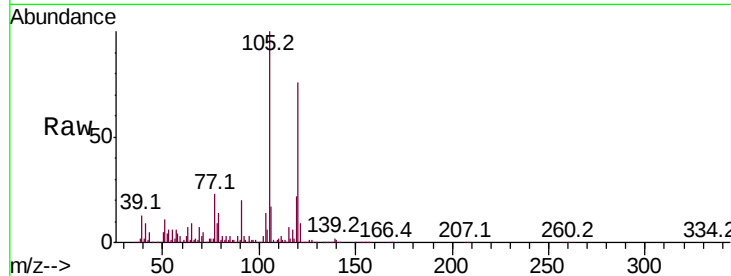
120 63.6 22.6 67.7

Manual Integrations

APPROVED

sam

9/8/2020 5:43:20 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.27

8000000

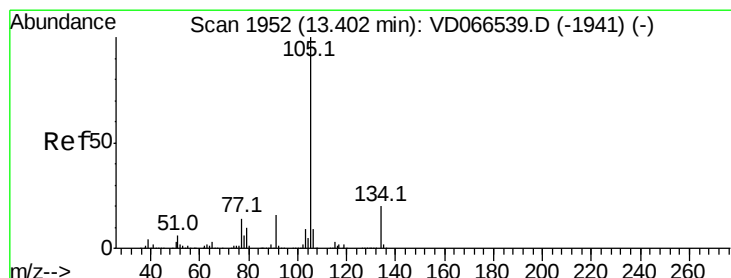
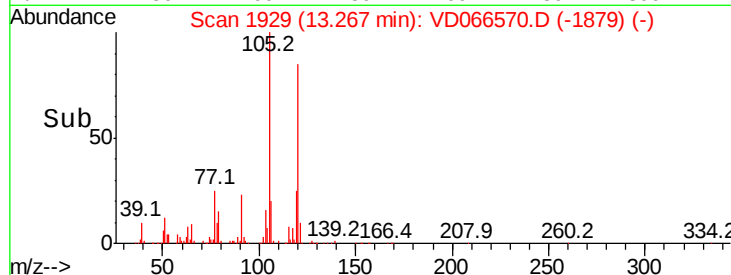
6000000

4000000

2000000

0

Time-->



#85

sec-Butylbenzene

Concen: 68.816 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066570.D

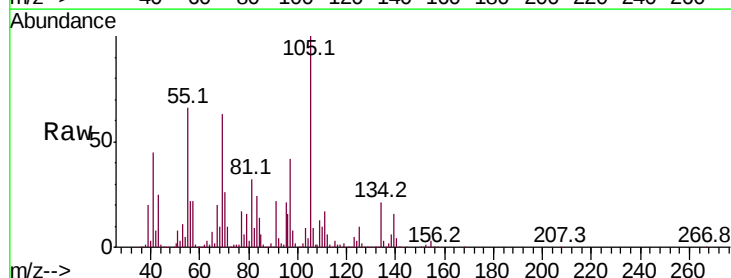
Acq: 04 Sep 2020 18:30

Tgt Ion:105 Resp: 2323535

Ion Ratio Lower Upper

105 100

134 33.3 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

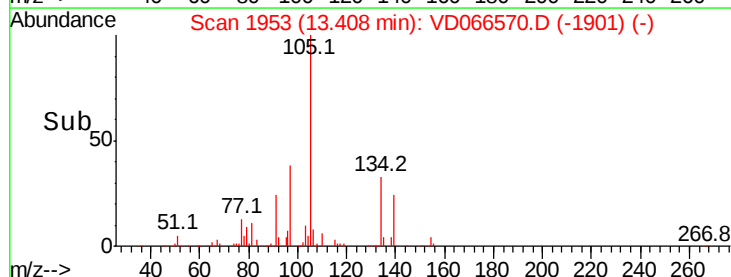
1500000

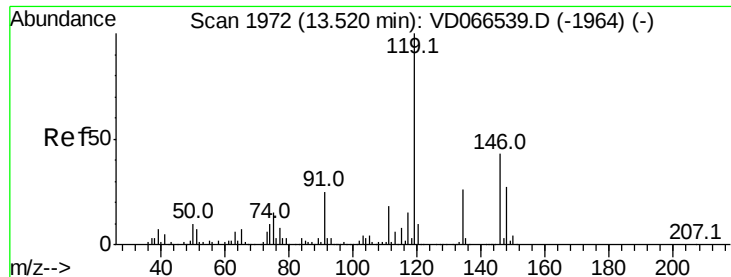
1000000

500000

0

Time-->





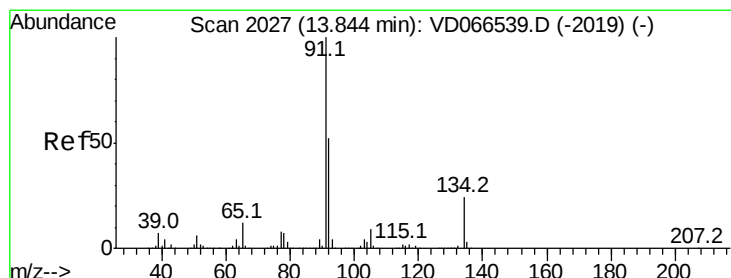
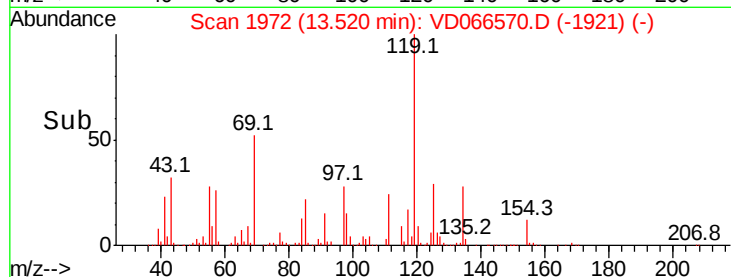
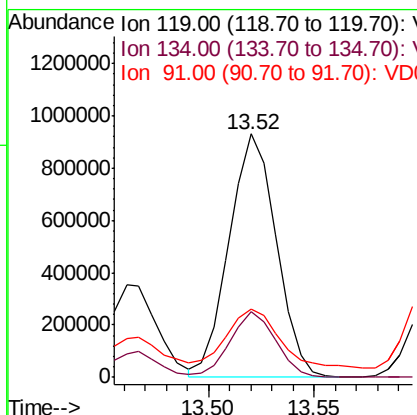
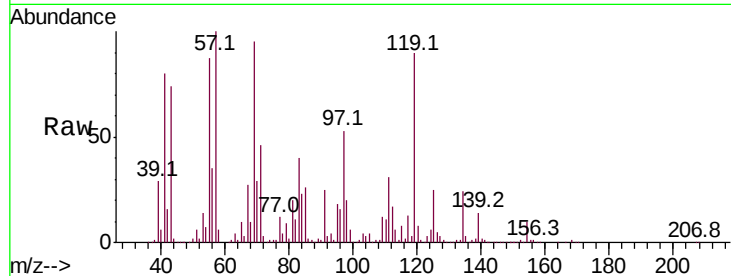
#86
 p-Isopropyltoluene
 Concen: 47.393 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066570.D
 Acq: 04 Sep 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-PM-A2-10-14-D

Tot Ion: 119 Resp: 1440283
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.7 38.0
 91 26.4 12.5 37.5

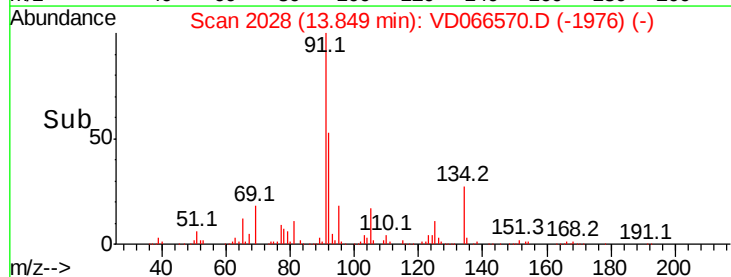
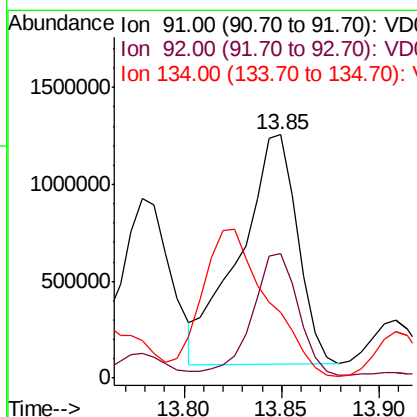
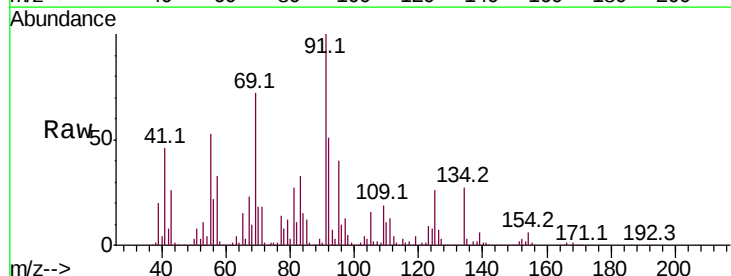
Manual Integrations
 APPROVED

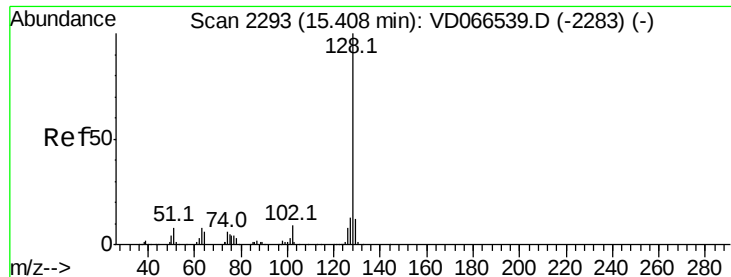
sam
 9/8/2020 5:43:20 PM



#89
 n-Butylbenzene
 Concen: 81.970 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: VD066570.D
 Acq: 04 Sep 2020 18:30

Tgt Ion: 91 Resp: 2427516
 Ion Ratio Lower Upper
 91 100
 92 43.4 26.5 79.5
 134 0.0 12.1 36.3#





#95
Naphthalene
Concen: 1772.809 ug/l m
RT: 15.40 min Scan# 2291
Delta R.T. -0.01 min
Lab File: VD066570.D
Acq: 04 Sep 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
WC-PM-A2-10-14-D

Tot Ion:128 Resp:24524544
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 1.1 9.1 13.7#

Manual Integrations
APPROVED

sam
9/8/2020 5:43:20 PM

