

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR111918\
 Data File : VR026226.D
 Acq On : 19 Nov 2018 17:51
 Operator : SY/MD
 Sample : J5997-09
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YA7

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:37:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 04:16:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	643160	5.00	ug/L	0.01
28) Chlorobenzene-d5	11.30	117	747631m	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	326237	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	208299	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	2.63	69	223359	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	3.64	63	402570	3.22	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	6.60	46	298178	72.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.54%#
24) Chloroform-d	7.22	84	417326	4.95	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	7.91	65	163660m	4.89	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	7.87	84	820618	3.83	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
36) 1,2-Dichloropropane-d6	8.92	67	288636	5.07	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	10.01	98	233619	1.18	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	23.60%#
43) trans-1,3-Dichloropropene-	10.28	79	16155	1.13	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	22.60%#
46) 2-Hexanone-d5	10.61	63	787378	189.56	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	379.12%#
57) 1,1,2,2-Tetrachloroethane-	12.37	84	104996	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	242678	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
13) Acetone	3.72	43	68213	15.641	ug/L 84
19) 1,1-Dichloroethane	5.76	63	102672	1.156	ug/L 94
22) cis-1,2-Dichloroethene	6.69	96	285220	6.650	ug/L # 98
29) 1,1,1-Trichloroethane	7.47	97	418798	4.184	ug/L 96
30) Cyclohexane	7.54	56	73831	0.842	ug/L 96
34) Trichloroethene	8.73	95	77729	1.131	ug/L 95
35) Methylcyclohexane	8.98	83	1090834	12.202	ug/L # 83
42) Toluene	10.23	91	194601656m	692.215	ug/L
44) trans-1,3-Dichloropropene	10.27	75	3596013m	84.251	ug/L
45) 1,1,2-Trichloroethane	10.45	97	1001770	41.002	ug/L # 21
47) Tetrachloroethene	10.55	164	213555m	4.547	ug/L
52) Ethylbenzene	11.41	91	39740079	124.626	ug/L # 5
53) m,p-Xylene	11.52	106	43001625m	371.522	ug/L
54) o-Xylene	11.84	106	6015489	56.952	ug/L 74
56) Isopropylbenzene	12.14	105	1907190	6.686	ug/L 98
65) 1,2-Dichlorobenzene	13.54	146	22900	0.276	ug/L 94

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Misc : 25mL/MSVOA_R/WATER
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Instrument :
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ClientSampleId :
E3YA7

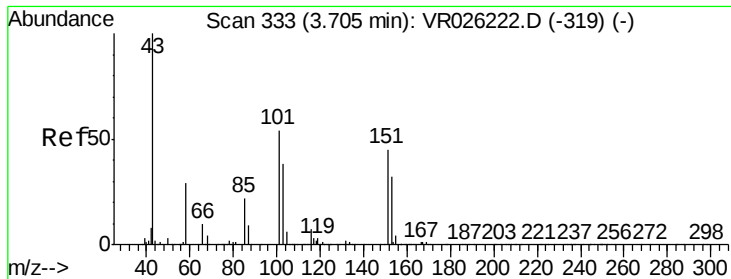
Manual Integrations
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11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:37:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



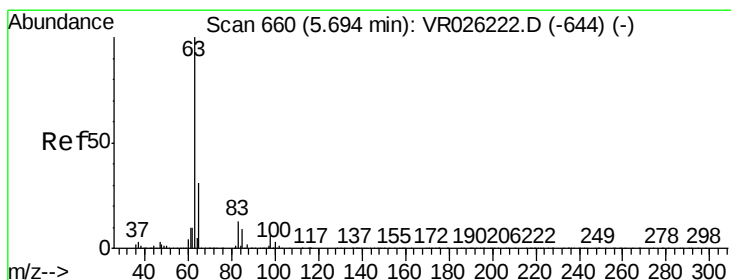
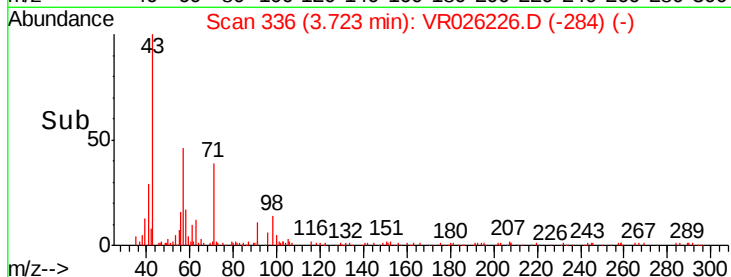
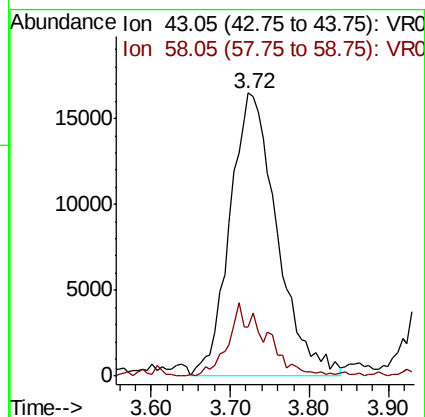
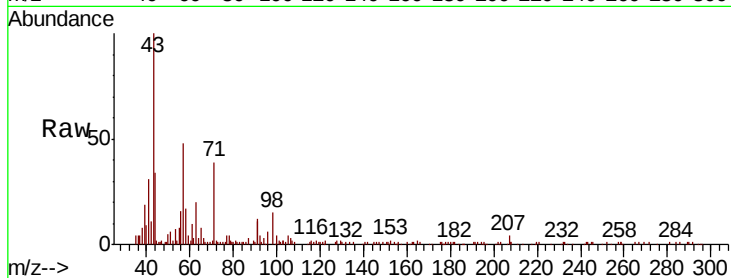
#13
Acetone
Concen: 15.641 ug/L
RT: 3.72 min Scan# 336
Delta R.T. 0.02 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Tgt Ion: 43 Resp: 68213
Ion Ratio Lower Upper
43 100
58 20.5 0.0 58.6

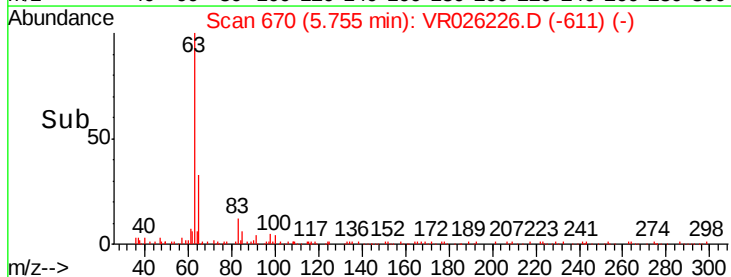
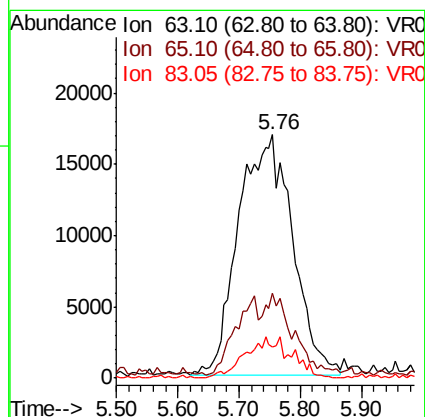
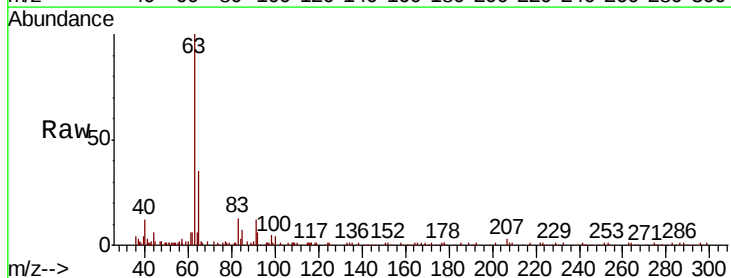
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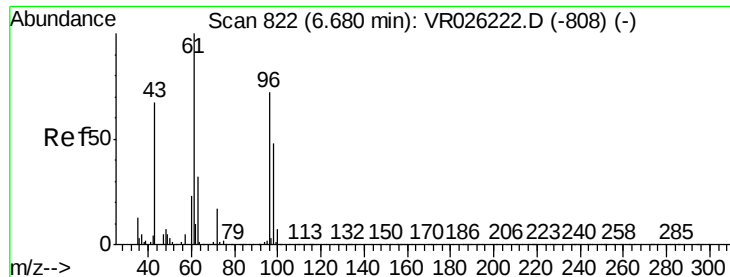
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#19
1,1-Dichloroethane
Concen: 1.156 ug/L
RT: 5.76 min Scan# 670
Delta R.T. 0.06 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Tgt Ion: 63 Resp: 102672
Ion Ratio Lower Upper
63 100
65 34.7 20.9 38.7
83 12.8 9.1 16.9





#22

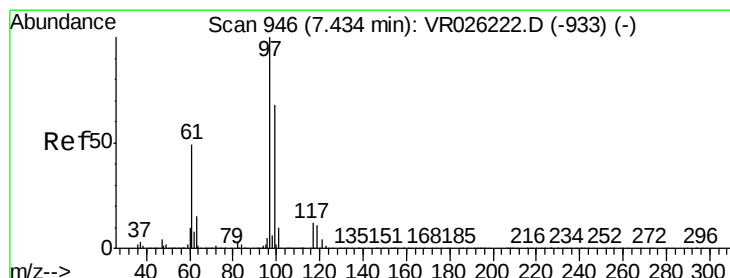
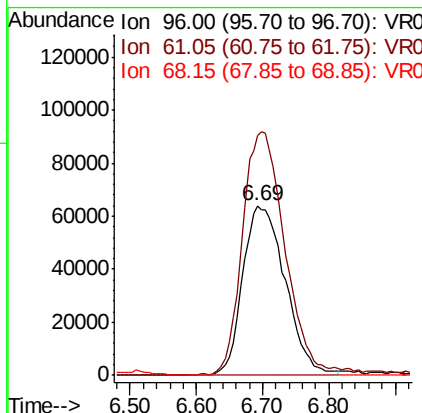
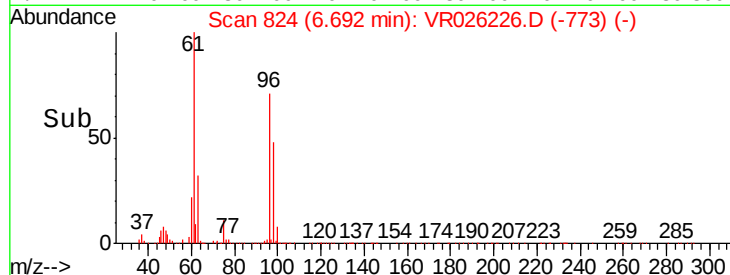
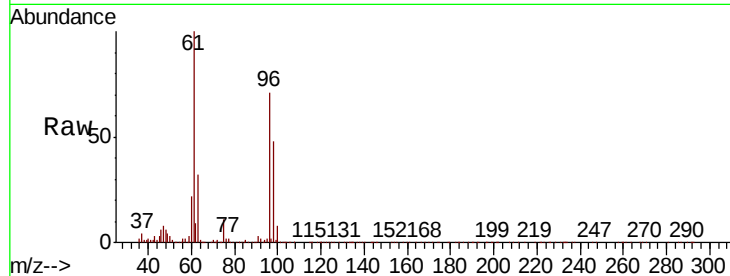
cis-1,2-Dichloroethene
Concen: 6.650 ug/L
RT: 6.69 min Scan# 824
Delta R.T. 0.01 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	285220		
61	141.2	97.4	180.8	
68	0.0	0.1	0.3#	

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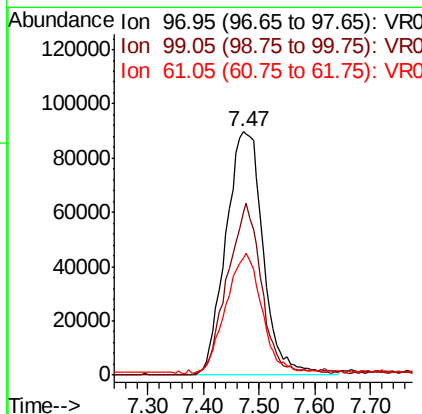
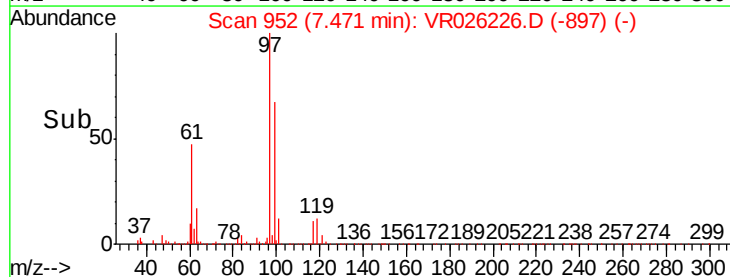
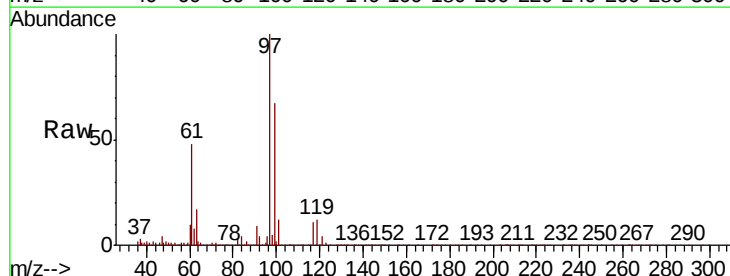
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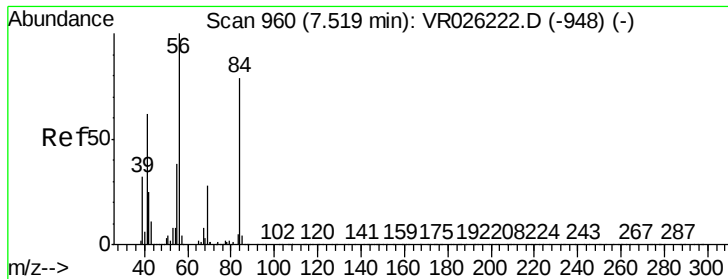


#29

1,1,1-Trichloroethane
Concen: 4.184 ug/L
RT: 7.47 min Scan# 952
Delta R.T. 0.04 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	418798		
99	64.1	52.2	78.2	
61	46.6	41.6	62.4	





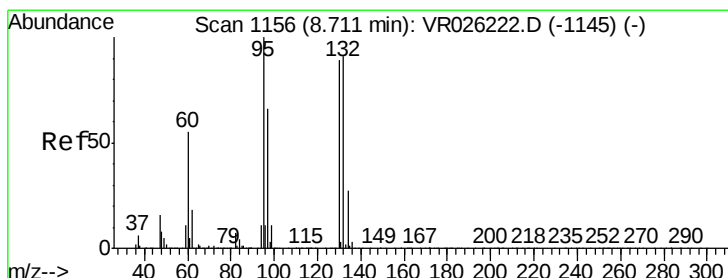
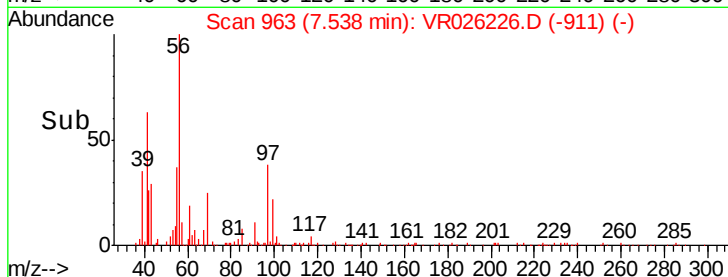
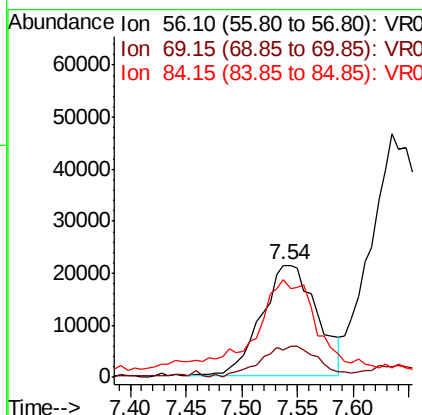
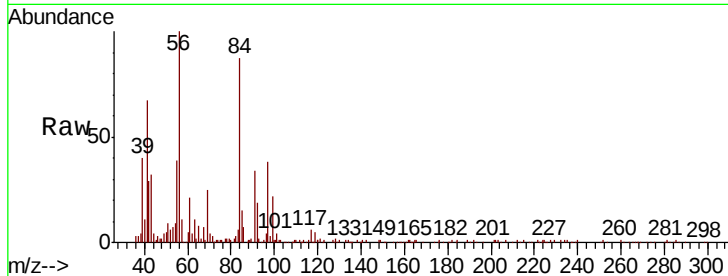
#30
Cyclohexane
Concen: 0.842 ug/L
RT: 7.54 min Scan# 963
Delta R.T. 0.02 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.0	34.6
84	79.8	60.8	91.2

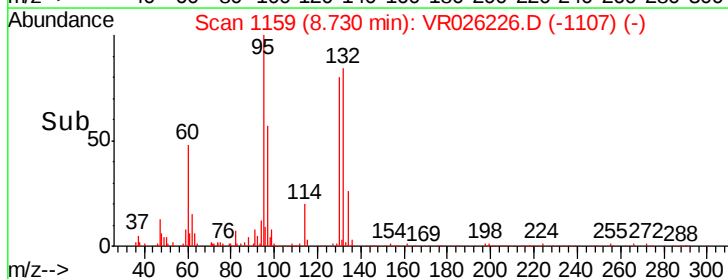
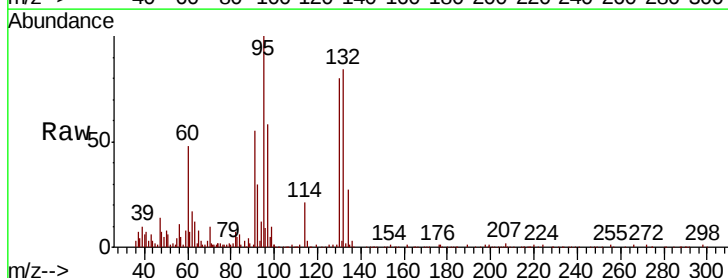
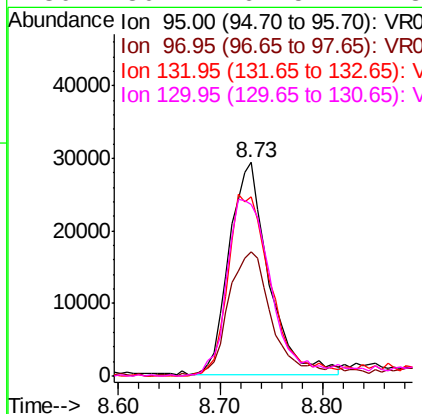
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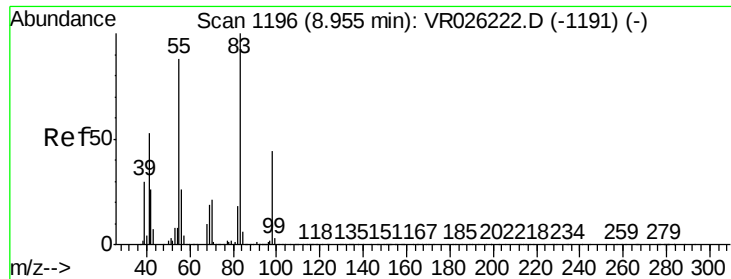
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#34
Trichloroethene
Concen: 1.131 ug/L
RT: 8.73 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Tgt Ion	Ratio	Lower	Upper
95	100		
97	58.4	43.5	80.7
132	83.7	58.0	107.6
130	80.2	61.5	114.3





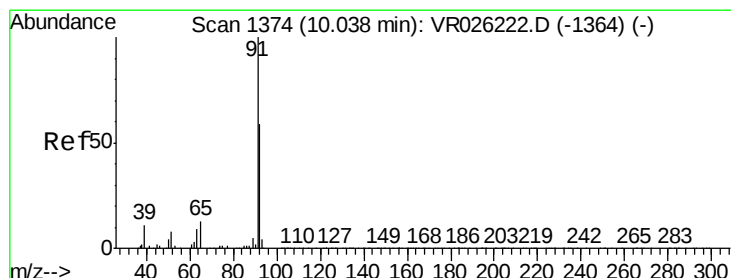
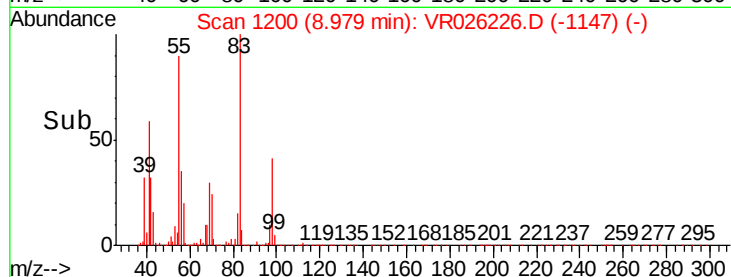
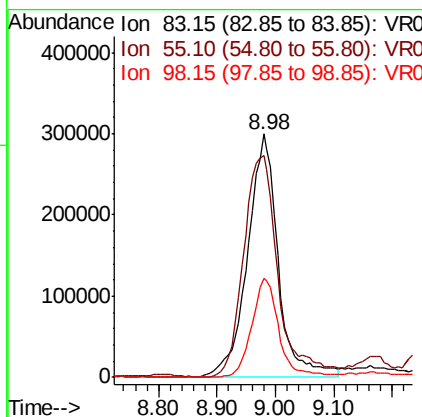
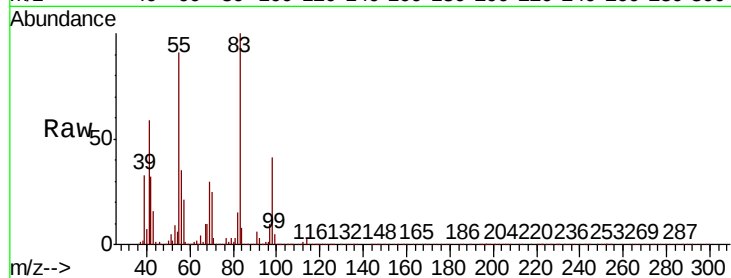
#35
Methylcyclohexane
Concen: 12.202 ug/L
RT: 8.98 min Scan# 1200
Delta R.T. 0.02 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Tgt Ion: 83 Resp: 1090834
Ion Ratio Lower Upper
83 100
55 102.4 67.9 101.9#
98 36.4 35.8 53.6

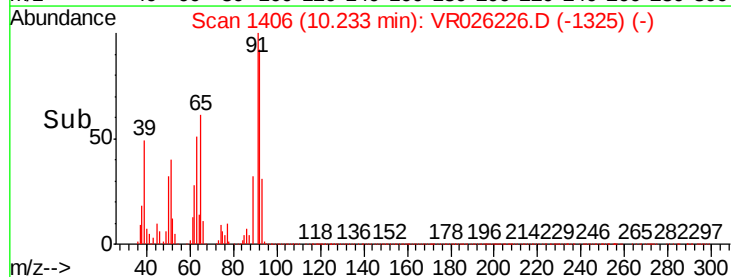
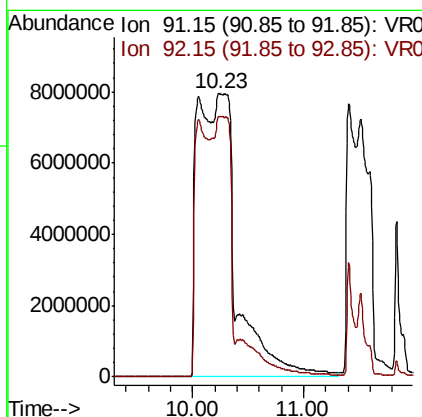
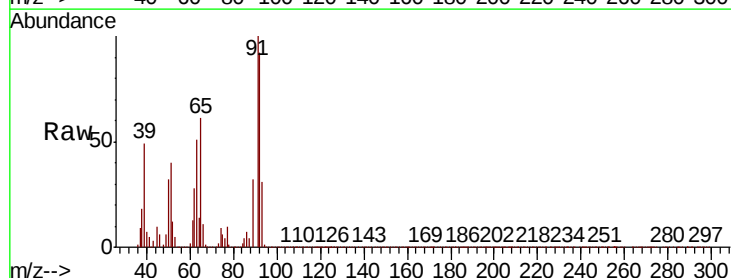
Manual Integrations
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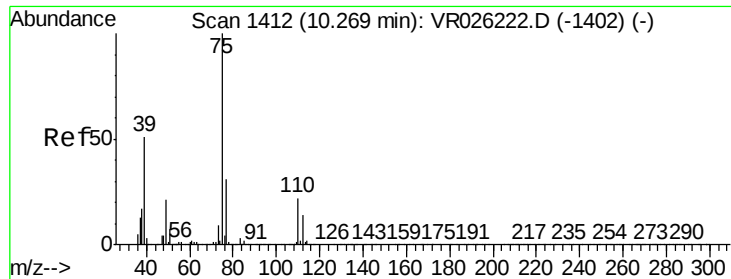
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#42
Toluene
Concen: 692.215 ug/L m
RT: 10.23 min Scan# 1406
Delta R.T. 0.19 min
Lab File: VR026226.D
Acq: 19 Nov 2018 17:51

Tgt Ion: 91 Resp: 194601656
Ion Ratio Lower Upper
91 100
92 91.9 41.4 76.8#





#44

trans-1,3-Dichloropropene

Concen: 84.251 ug/L m

RT: 10.27 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VR026226.D

Acq: 19 Nov 2018 17:51

Instrument :

MSVOA_R

ClientSampleId :

E3YA7

Tgt Ion: 75 Resp: 3596013

Ion Ratio Lower Upper

75 100

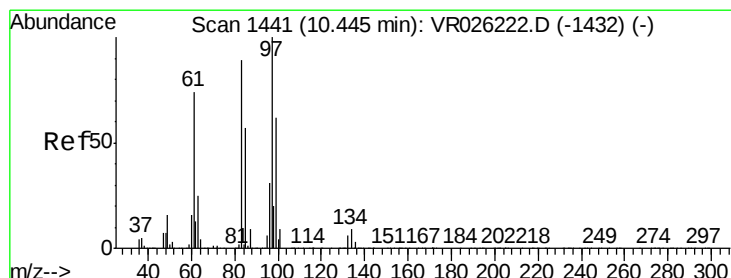
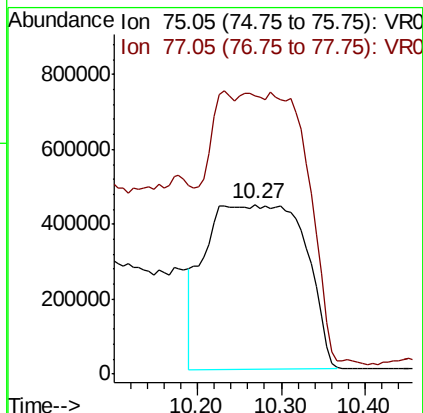
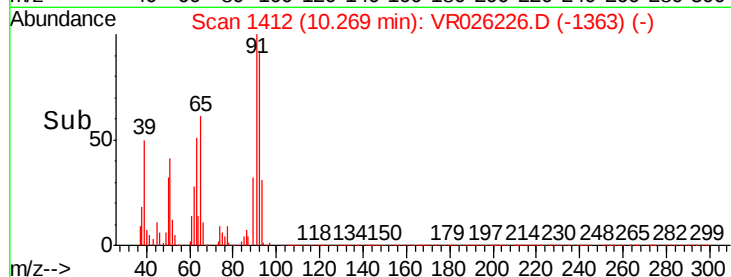
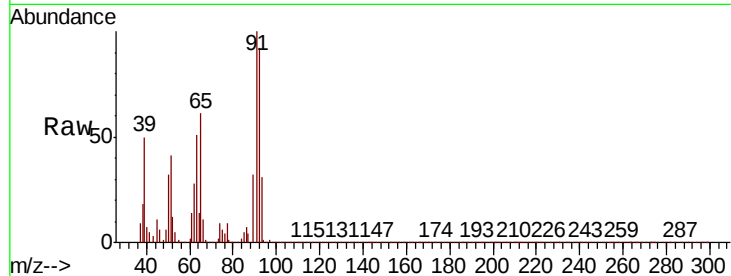
77 164.1 23.7 44.1#

Manual Integrations

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#45

1,1,2-Trichloroethane

Concen: 41.002 ug/L

RT: 10.45 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VR026226.D

Acq: 19 Nov 2018 17:51

Tgt Ion: 97 Resp: 1001770

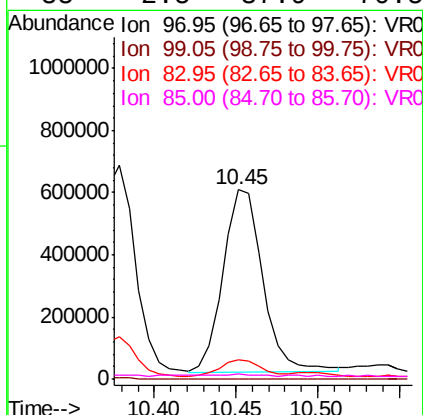
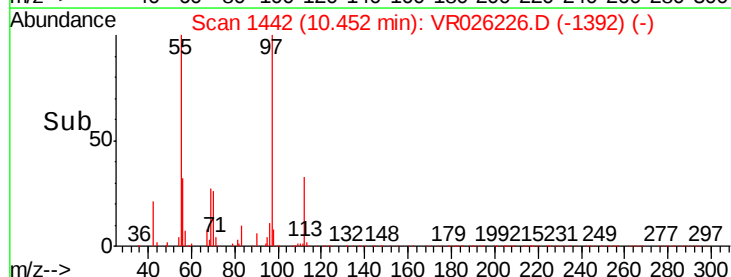
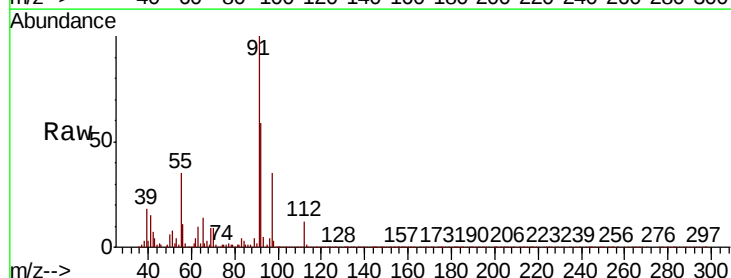
Ion Ratio Lower Upper

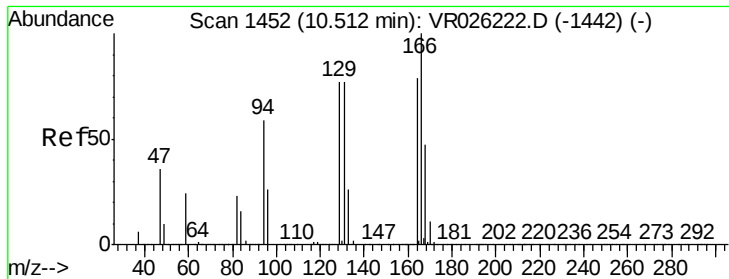
97 100

99 0.3 43.0 80.0#

83 10.5 61.0 113.2#

85 2.5 37.9 70.5#





#47

Tetrachloroethene

Concen: 4.547 ug/L m

RT: 10.55 min Scan# 1458

Delta R.T. 0.04 min

Lab File: VR026226.D

Acq: 19 Nov 2018 17:51

Instrument :

MSVOA_R

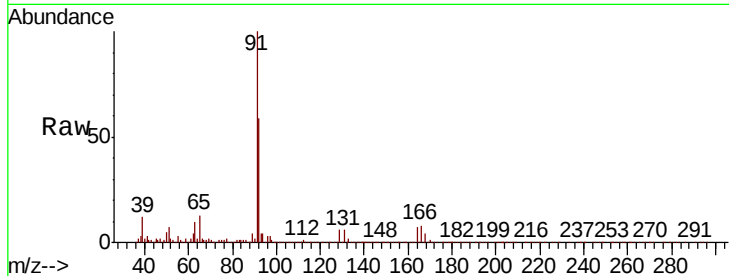
ClientSampleId :

E3YA7

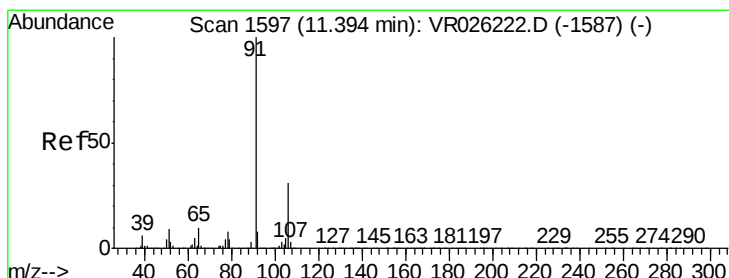
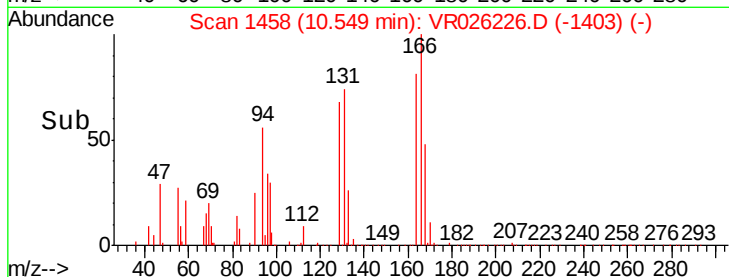
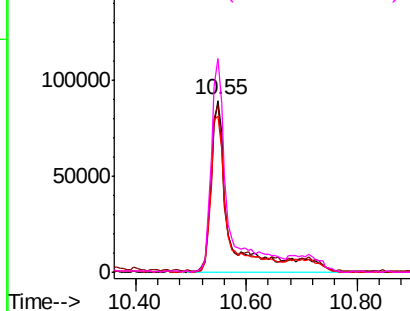
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21355		
129	98.0	72.3	134.3	
131	90.9	73.4	136.2	
166	124.3	91.4	169.8	

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Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#52

Ethylbenzene

Concen: 124.626 ug/L

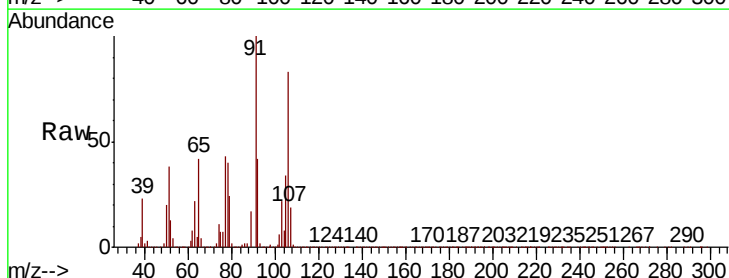
RT: 11.41 min Scan# 1599

Delta R.T. 0.01 min

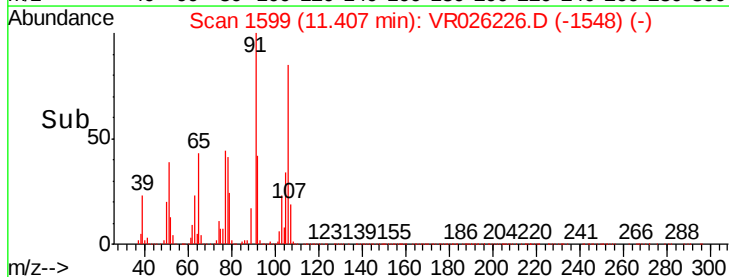
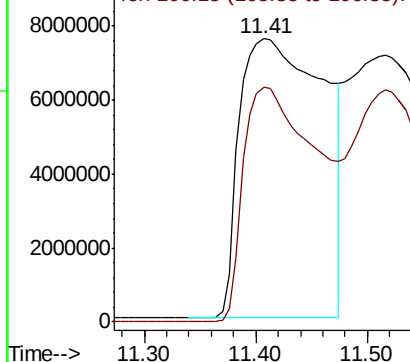
Lab File: VR026226.D

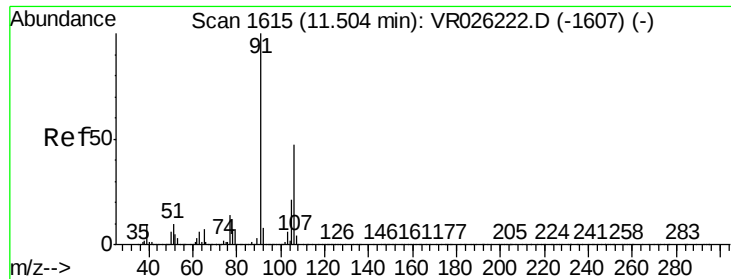
Acq: 19 Nov 2018 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	39740079		
106	82.8	21.5	39.9	#



Abundance Ion 91.15 (90.85 to 91.85): VR0
Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 371.522 ug/L m

RT: 11.52 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VR026226.D

Acq: 19 Nov 2018 17:51

Instrument :

MSVOA_R

ClientSampleId :

E3YA7

Tgt Ion:106 Resp:43001625

Ion Ratio Lower Upper

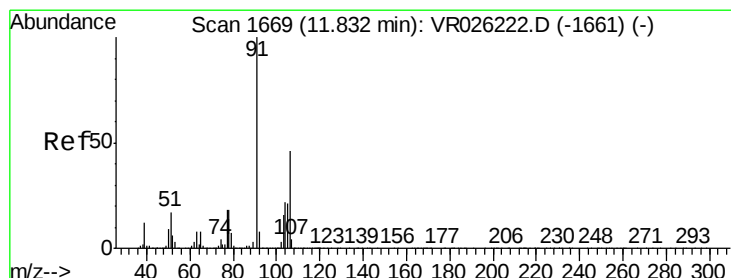
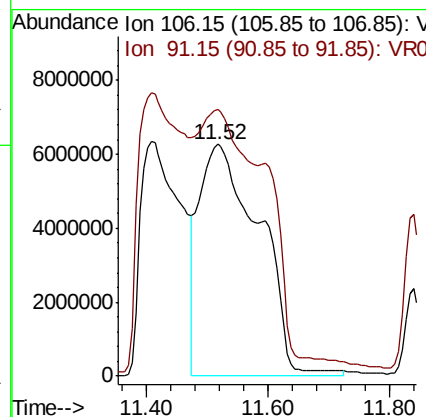
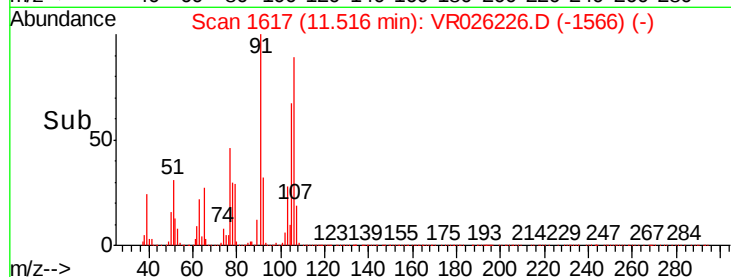
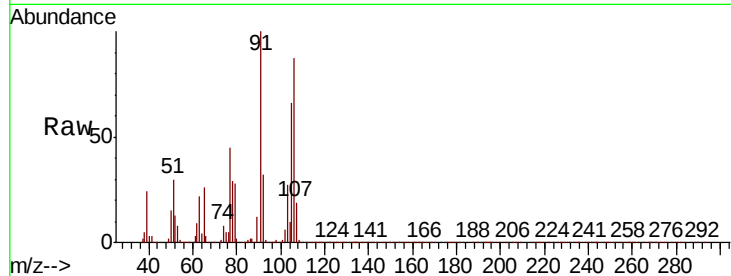
106 100

91 115.1 153.9 285.9#

Manual Integrations
APPROVED

MMDadoda

11/26/2018 10:16:08 AM



#54

o-Xylene

Concen: 56.952 ug/L

RT: 11.84 min Scan# 1670

Delta R.T. 0.01 min

Lab File: VR026226.D

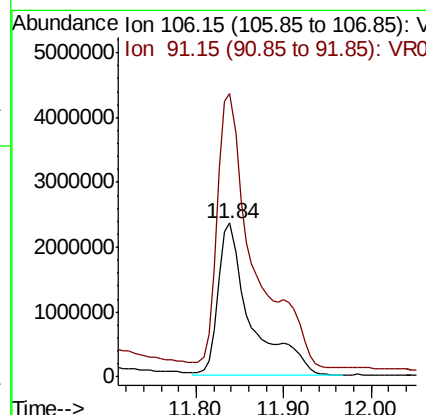
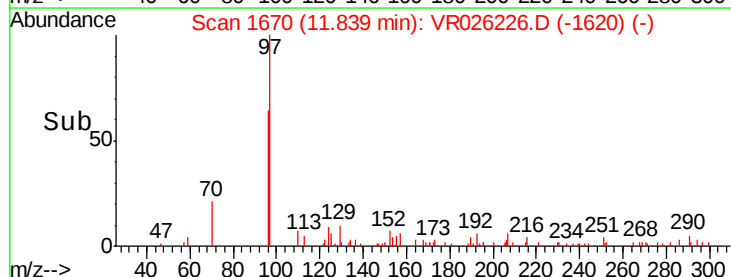
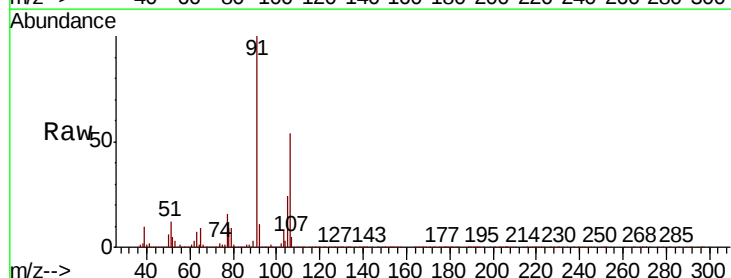
Acq: 19 Nov 2018 17:51

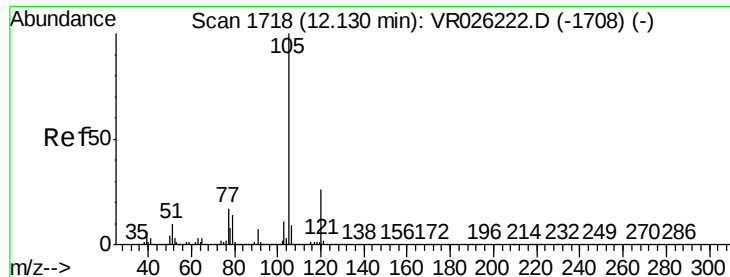
Tgt Ion:106 Resp: 6015489

Ion Ratio Lower Upper

106 100

91 184.3 159.5 296.1





#56

Isopropylbenzene

Concen: 6.686 ug/L

RT: 12.14 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VR026226.D

Acq: 19 Nov 2018 17:51

Instrument :

MSVOA_R

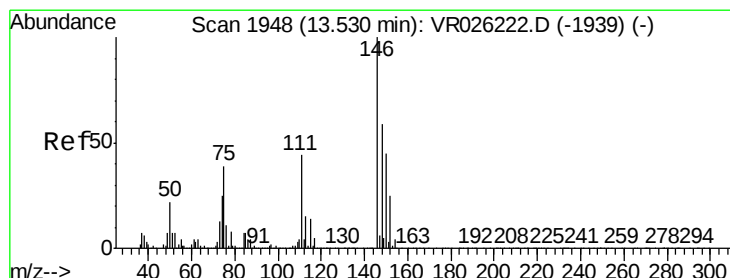
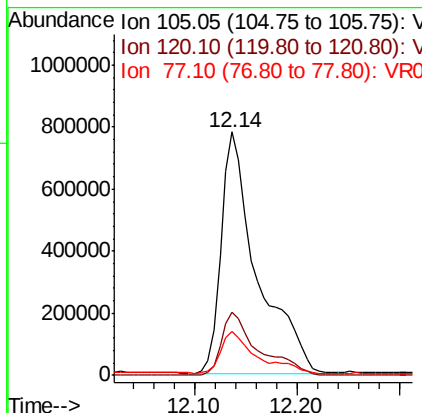
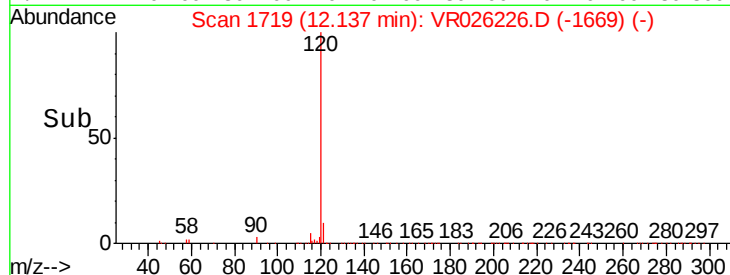
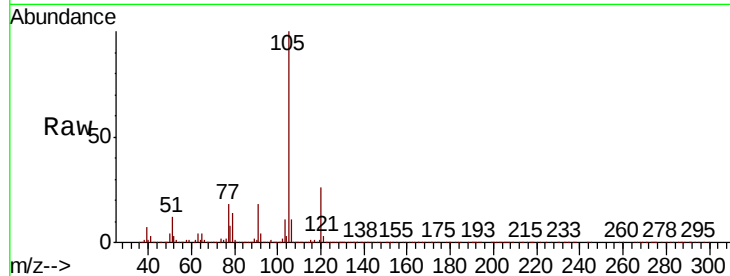
ClientSampleId :

E3YA7

Tgt Ion:	105	Resp:	1907190
Ion Ratio	Lower	Upper	
105	100		
120	26.4	20.4	30.6
77	17.4	14.3	21.5

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM



#65

1,2-Dichlorobenzene

Concen: 0.276 ug/L

RT: 13.54 min Scan# 1949

Delta R.T. 0.01 min

Lab File: VR026226.D

Acq: 19 Nov 2018 17:51

Tgt Ion:	146	Resp:	22900
Ion Ratio	Lower	Upper	
146	100		
111	50.5	35.0	52.6
148	66.4	51.6	77.4

